

Australian

# MACWORLD

Special Edition  
\$7.95 \$NZ12.25 inc

The Macintosh™ Magazine

## *The Macintosh Product Guide 1990-91*

*Hardware  
Software  
Peripherals  
Custom Applications*

The most comprehensive listing of Macintosh products available in Australia and New Zealand



**“Truly usable  
accounting  
software,  
and it works  
superbly.”**

- MARSHALL AHERN SYDNEY, OCTOBER 1990

## Speedworks



Fast and so easy. A simple debtors package that becomes a complete accounting program when you link it with Microsoft Works. Does invoices too. \$595

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Made for your industry. Fast, simple accounts to tell you everything you need to know. Meets ASA requirements. \$3,995

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By consultation.

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Now you can afford a comprehensive membership and mailing system. Gives you quick publication sales and accounting. Multiuser with central treasury. Fast cash receipts. Custom made from \$9,000.

## Payroll Manager



An Australian package that gives you usable flexibility. Quickly parameter driven for changes to the law. \$995

## Warehouse Manager



Custom made for your product sales. Likely to be the fastest multi-user multi-store program available on the Mac. Replaces old Mini computers with Apple's new high speed Appleshare. You get truly usable management information. Ten module system from \$9,000 to \$25,000 (40% cheaper than the competition).



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**W**elcome once more to our annual Macintosh Product Guide for 1990-91.

Although we do not publish a separate January issue, the Guide has in effect become our 12th issue in the year, published under a separate cover as a bonus to our subscribers. It is our way of saying "Thank you" for your continued support.

The Product Guide remains the most comprehensive listing of hardware, software and other Macintosh-related products available in Australia and New Zealand. It is not, however, a total listing of products, for this year we have asked product vendors to contribute toward the cost of producing this special publication. Some decided not to participate in these listings, or got this year's material to us too late to meet our deadlines, and this explains the absence of some products.

Categories used in the Products Guide are classed by application rather than strictly by product type. Products are listed alphabetically within each application's category. A few fields encompass both hardware and software (for example, many networking products), when their functions overlap. In general, the codes 1000-1999 encompass hardware products, moving into the 2000-2999 range for software, and 3000+ for vertical market, highly specialised applications.

### Each product is listed in the following order:

Name	Version No
Description	
Requirements or minimum Mac configuration	Price (listed as tax inclusive, unless otherwise specified)
Manufacturer	
Australian distributor	

*Disclaimer, Pt. I:* The product descriptions are based on material supplied by the manufacturers or distributors in most instances. Australian Macworld has not tested each claim. You are urged to make your own critical investigation.

*Disclaimer, Pt. II:* In a market as mercurial as high tech, prices and even vendors can change rapidly. As we went to press, last minute price amendments were received which may not have made it into print; and some products may have changed distributor by the time you read this. It is a guide, not Holy Writ, and we apologise if some of the information contained in it is somewhat less than current by the time you read it.

We would again like to take this opportunity to acknowledge a very special thanks Ms. Deborah Erlich, for her valuable assistance in compiling this year's Product Guide.

## Categories

### 1000 Hardware Guide

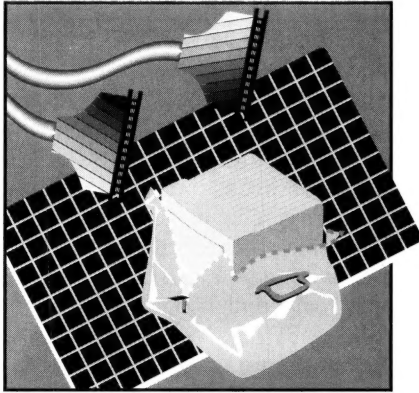
1010 accessories  
1020 Macintosh  
1021 co-processors  
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1033 digitisers  
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1043 plotters  
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1061 analogue to digital  
1062 barcode system  
1064 instrumentation  
1070 audio  
1071 music and speech  
1080 communications  
1081 modems  
1090 networking  
1091 e-mail

### 2000 Software Guide

2010 data management  
2011 data resources  
2020 resource management  
2030 personal organisers  
2040 integrated packages  
2050 decision support  
2060 spreadsheets  
2070 numerical analysis  
2080 accounting  
2090 printed communication  
2091 word processing  
2092 desktop publishing  
2093 fonts  
2094 idea processing  
2095 form design  
2100 graphics  
2101 artwork  
2102 CAD and design  
2103 presentation and animation  
2130 utilities  
2131 antiviral utilities  
2132 disk and file utilities  
2133 system utilities  
2140 languages  
2150 tutorials.  
2180 games  
**3000 vertical applications**  
3010 manufacturing systems  
3020 library management  
3030 education



## 1000 Hardware Guide



### 1010 accessories

Covers a miscellaneous range of goods for use with the Macintosh, such as keyboards, security systems, covers and carry cases, mouse mats, joy sticks, "computer furniture", and devices to ergonomically enhance your Mac. Accessories also include such cables as AppleTalk connectors, printer cables, and monitor cables.

#### 1010 accessories

##### 3.5in Disk-Rainbow Colours

LaserWriter labels, removable (\$140) or "high gloss" permanent (\$165). They also come in white (\$110). Pin-fed labels are also available for impact printers (\$105).

\$140

Williams & Macias, Inc  
Next To Mac

#### 1010 accessories

##### Anchor Pad Series

Computer security: alloy metal pad that physically attaches to the bottom of the Mac and top of a desk, or Mac II CPU and monitor, and anchors it to the desk using a SuperGlue-type of adhesive. Two pick-resistant locks are provided. All Macs catered for. Comes in several models, including swivel mount: 1012 Multi-Purpose \$190; 1012 Multi-swivel \$240; 1416 Multi-Purpose \$250; CSS \$550.

\$190 ex tax

Anchor Pad [Aust.] Pty Ltd  
Anchor Pad [Aust.] Pty Ltd

#### 1010 accessories

##### Apple Extended Keyboard

An alternative to the standard ADB keyboard for the Mac SE and Mac II, the Extended Keyboard features a full set of Function keys and, some users think, a better feel of touch.

\$440

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1010 accessories

##### CompuGuard

A powerline filter with a patented circuitry which protects both mains and telephone lines. Power Authority and Telecom approved.

All Macs and modems  
Critec Pty Ltd  
Critec Pty Ltd

POA

#### 1010 accessories

##### Curtis Manufacturing

A collection of hardware accessories, ranging from cleaning kits, printer stands, monitor stands, disk boxes, anti-glare screens, through to monitor arms and laptop workstations.

Range

Curtis Manufacturing Company, Inc  
Reliable Australian Distributors Pty Ltd

#### 1010 accessories

##### Data Pad Software Guides

Reference cards that fit under the clear flip-up cover of Speed Pad II mouse pads and provide information about applications. Includes self-adhesive, colour-coded index tabs. Available in two sizes (matching the Speed Pads) and packaged as single or multiple sheets depending on complexity of the program. Available for most common programs.

\$10.50 +

Orem Inc.  
Reliable Australian Distributors Pty Ltd

#### 1010 accessories

##### Dataguard DG1500 UPS

A true no-break sine wave uninterruptible power supply.

All Macs  
Critec Pty Ltd  
Critec Pty Ltd

\$5,500 plus freight

#### 1010 accessories

##### Extra long ADB keyboard cable

This replacement keyboard cable for the Mac II provides over two metres of extension cable – twice the length of the regular Mac II cable.

\$59

Kensington Microware Ltd  
MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### HP 48SX

A hand held, large display calculator which,

with the addition of a standard cable and communications software, can be plugged into the Mac. It can then be programmed from the Mac, and access its printer and disk drive. Works independently "crunching the numbers" while the user is working on the Mac. Once ready, its report can be dumped into the user's application via a window. It also integrates maths and calculus into graphics.

\$US360

Hewlett-Packard Co  
Hewlett-Packard

#### 1010 accessories

##### International Power Machines

Power supply devices which guarantee constant spikeless, precision power.

All Macs  
International Power Machines Corporation  
Critec Pty Ltd

Range

#### 1010 accessories

##### LocalTalk Connection Box DIN-8

This cable kit connects a Mac Plus/SE/II to an AppleTalk network. It links a Mini DIN-8 connector to two Mini DIN-8s.

\$92

Mac Cable  
MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Mac II monitor cable extension kit

A two metre monitor extension kit for the Mac II (power cord and the video signal cable).

\$76

Kensington Microware Ltd  
MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Mac Plus Peripheral Adapter Cable

This adapter cable allows the Mac 128 or 512 to be connected to Mini DIN-8 devices. It can also be used to connect the Mac Plus, SE or II to an Apple 300 or 1200 baud modem.

\$29

Mac Cable  
MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Mac Plus, SE, II to AP Modem approx. 2.5 metres

This cable connects an Apple Personal Modem to connected to the Mac Plus, SE or II. It has thumb screws for easy installation and mini DIN-8 connectors on both ends.

\$35

Mac Cable  
MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Mac Security Kit

An anti-theft device. Each kit contains a heavy duty 3m x 6mm vinyl coated steel cable, sufficient 45mm padlocks and steel brackets. Installs in minutes. Also secures keyboard on the older Macs (Plus and earlier). Fits all Mac models, and extra security devices are available for printers and external disk drives.

\$56

n/a  
Micro Expansion Technologies



#### 1010 accessories

##### Mac to ImageWriter cables

Three cables that allow the Mac Plus, SE or II to be connected to the DB-25 adaptor on the ImageWriter I (\$37) or the DIN-8 on the ImageWriter II (\$36), or connect the DB-9 on the Mac 128 or 512 to the DB-25 on an ImageWriter I (\$33).

\$33+

Mac Cable

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Mac to modem cable

Cables for connecting the Mac to a DB-25 plug on a modem.

Plus or better \$40

Mac Cable

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### MacArm

An ergonomic workstation which allows any Plus, SE or Apple monitor to be supported off the desk, to the preferred viewing distance. The multi-position keyboard holder can be tilted down 30°, acting as a permanent off-desk operating position.

\$295

n/a

Micro Expansion Technologies

#### 1010 accessories

##### Mach-1 Arm

Australian designed and built ergonomic arm for the Mac Plus or SE family. It is a gas spring operated, fully adjustable arm that connects to your desk and allows easy positioning. The Mach-1 has a shelf for your keyboard, and comes with a mouse pocket so that the entire unit can be lifted out of the way. The pull-out shelf accommodates any keyboard. Extended SCSI cables can be supplied and fitted to the arm so that external hard disks can also be removed from your work space.

POA

Weldun Engineering Pty Ltd

Weldun Engineering Pty Ltd

#### 1010 accessories

##### MacCESSORIES A-B Box Platinum

Switch box is for all Macs and the Apple IIGS. It connects two peripherals to one serial port or shares one peripheral between two computers. It is equipped with mini DIN-8 connectors and comes with a mini DIN-8 cable.

\$148

Kensington Microware Ltd

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### MacCESSORIES Superbase

This tilt and swivel base raises the compact Macs 15 centimetres offering 17 degrees tilt and 360 degrees swivel. It will install in seconds and has a handy shelf for a second drive. It is made of sturdy aluminium and high impact styrene.

\$96

Kensington Microware Ltd

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Macintosh II Stand

This vertical stand allows users to place a Mac II beside their desks, so that only the monitor and the keyboard remain on the desktop. It is made of aluminium and allows 5cm of air space beneath the Mac for ventilation.

\$49

Kensington Microware Ltd

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### MacPage PE

Mac compatible PostScript emulation cartridge for HP LaserJet printers. Offers 35 LaserWriter equivalent fonts and Adobe Type 1 and Adobe Type Manager compatibility, also matching screen fonts for all 35 fonts and for Pacific Data's 25 cartridges in one! \$1,450 for the LaserJet II or \$1,080 for the IIP, IID or III

\$1,080+

Pacific Data Products

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### MasterPiece Mac II

A combination surge/EMI/RFI protector, telephone line surge protector, power director and swivel stand for a monitor. Designed to fit between the Macintosh II and a monitor, the unit features a master switch and five individual power switches for the computer and for various peripherals such as a modem, printer, or plotter.

\$268

Kensington Microware Ltd

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### PLF Powerline Filters

The PLF series 10X, 3X and 102 are high performance powerline filters which successfully attenuate transients to levels well within the tolerance range of today's computers.

All Macs

Critec Pty Ltd

Critec Pty Ltd

Range

#### 1010 accessories

##### Powersafe Powerline Conditioners

The series PS 500, PS 1000 and PS 2500 combines proven surge reduction circuitry with electronic voltage regulation to provide a low distortion output voltage to your computer.

All Macs

Critec Pty Ltd

Critec Pty Ltd

\$660 - \$1,850 plus freight

#### 1010 accessories

##### SCSI Connectors

SCSI connection cables from GCC: SCSI Bus Terminators (\$61); SCSI Extender Cable (\$61); and SCSI-to-SCSI Cable (\$61).

\$61

GCC Technologies

Next To Mac

#### 1010 accessories

##### SCSI Interface Cables

A range of SCSI connector cables in

various lengths.

All Macs

n/a

Allaw Technologies

\$20+

#### 1010 accessories

##### SCSI System Cables

1 metre

Assorted SCSI cables

Mac to SCSI - \$59; terminator - \$48; 2 metre SCSI to SCSI - \$77; 2 metre extension - \$77.

\$59

Mac Cable

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### Speed Pad I & II

Mouse pads featuring a no-skid surface that reduces mouse friction and optimises cursor control. Cleanable and stain-resistant. Available in four colours, or can be customised with corporate logo. SpeedPad II features a hinged, see-through cover designed to be used with SpeedPad Quick Reference Templates. Sizes: 17.7 x 22.2cm (regular); 21.5 x 27.9cm (medium); 25.4 x 28.5cm (large).

\$16.50 +

Orem Inc.

Reliable Australian Distributors Pty Ltd

#### 1010 accessories

##### System Saver

Provides outlets for two peripherals and replaces the power cord for the SE. There are user-definable configurations of one or two front-mounted switches to control the power of the system. Surge suppression and EMI-RFI noise filtering circuitry clips dangerous surges and spikes at a safe level and filters out noise to prevent equipment damage and data loss. Additional modem surge suppression circuitry protects the modem from electrical disturbances on the phone line. Version for the Plus available for \$162

\$132

Kensington Microware Ltd

MicroAustralia Computer Products Pty Ltd

#### 1010 accessories

##### The Apple Collection

Everything from the Apple T-Shirt to bathrobes and Mac carry cases with Apple and Macintosh logos. Every item has been selected for its high quality of workmanship and design.

Range

Apple Computer Inc

Interspace Marketing

#### 1010 accessories

##### Tool Kit

A 52-piece Computer Tool Set containing everything needed to perform the most common computer repairs, upgrades and maintenance tasks. All tools are non-magnetic and computer-safe. Kit comes in a zippered vinyl case and include a TORX extender for the easy removal of housing screws, and a special chip inserter/extractor.

\$135

Curtis Manufacturing Company, Inc

Reliable Australian Distributors Pty Ltd



Australian Macworld is published by  
IDG Communications Pty Ltd.

The Macintosh Product Guide 1990-91 is an annual publication of *Australian Macworld*. It is intended as a reference guide to hardware, software and peripheral products distributed in Australia and New Zealand. It does contain some products which we anticipate will be distributed locally during the lifetime of the book, even though only the manufacturer's name was known to us at the time of compiling this listing.

If a product is of interest, we recommend that you ask your favourite reseller, Macintosh retail outlet or mail order firm to order it for you; and we would issue the usual caveats about trying products before you buy, in that the listings are based on manufacturers' descriptions and not on independent reviews.

It is the business of retailers to know which distributor supplies which products in Australia. But for your convenience, we have listed phone numbers of the distributors and manufacturers' representatives. These wholesalers should be able to point you to a reseller in your area.

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### JAM Productivity Enhancers for All Mac users:



## Smart Alarms™ 3.0 & Appointment Diaries

The most widely used reminder & calendar system  
is now *even easier*.

- ☐ Two month calendar display with extensive daily note taking ability.
- ☐ Reminders that display your own message while in any application.
- ☐ Format your diary page with individualised day or auto-layouts.
- ☐ Set advance warnings and recurring reminders with easy re-scheduling.
- ☐ Have reminders play different sounds and launch macros.
- ☐ Set multiple reminders and times from your Diary.
- ☐ Import, export and "Smart-merge" reminders.
- ☐ Diary Migration imports and exports to Z88, and to text.
- ☐ **Multi-User Appointment Diaries** are fully compatible with TOPS™, AppleShare™, AllShare™ & PSN™.
- ☐ **Corporate & Institution Site Licenses** for over 50 Macintoshes.
- ☐ Now integrated with **MacList™** our handy DA List Manager. Supports multiple fonts and styles, searches, sorts, imports and exports, calculates, converts and transfers data, and dials modems.

### JAM Productivity Enhancers for Small Businesses:

## Smart Biz™

- ☐ An integrated, electronic, customer, sales marketing & debtors system.
- ☐ All you need to run the sales side of a business.
- ☐ Call tracking and prospecting, quotes, invoices, receipts and banking.
- ☐ Purchasing, inventory and customer product registration, & much more.

### JAM Productivity Enhancers for Health Professionals:



## Medical Electronic Desktop™

(formerly known as MacMED™)

- ☐ Powerful. Simple to use.
- ☐ Organizes all aspects of running your practice.
- ☐ Billing, Patient Records, Scheduling, Word Processing, Research.
- ☐ Many add-ons, like Aries MEDLINE® Knowledge Finder™.
- ☐ Installation, training and on-going support.
- ☐ Our medical division offers a level of medical and technical expertise equalled nowhere in the industry.
- ☐ We have representatives in most states.
- ☐ Development and ownership is wholly Australian.
- ☐ JAM Software is an Apple Authorised Reseller & international multiple award-winning Macintosh Software developer & publisher.

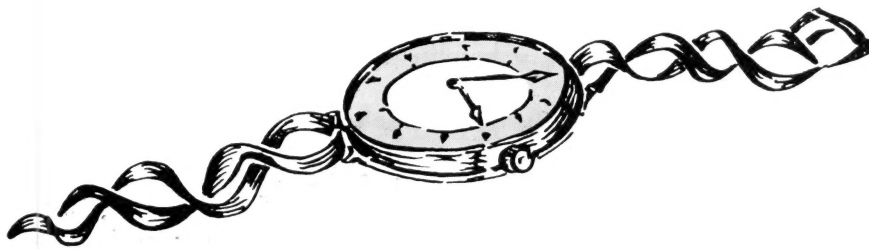
## JAM Software Pty. Limited.

Sales & Service: 513 Liverpool Rd., Sth Strathfield 2136.

R&D: 27a Nowranie St. Summer Hill 2130.

Ph (02) 799 1888, FAX (02) 7994042, AppleLink AUST0134





# WHY WAIT?

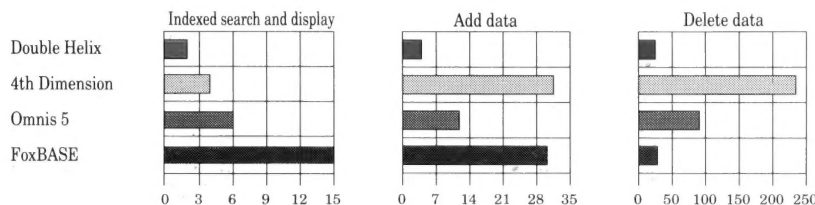
Speed is the issue when comparing multi-user databases.

In a multi-user database the pain of waiting is multiplied by every user who logs on. If your database also depends upon fileserver software then you can be waiting a lot longer than necessary, because file servers have more to do than serve databases. Word processors working on a document, artists downloading graphics and spreadsheet analysts crunching numbers clog up the fileserver—and you're in the queue too.

What you need is a server dedicated to your database.

## MultiUser Helix

Multi-User Helix is the only Macintosh database that uses client/server technology to give you true service.



- **FAST:** MacUser June 1990 tested the major multi-user databases and found that MultiUser Helix outperformed Omnis, 4D and FoxBASE+Mac in virtually every test. MultiUser Helix uses client/server technology and a multi-threaded searching algorithm to reduce user wait states and increase performance.
- **SECURE:** For data integrity, automatic external logging of transactions reduces the exposure of your database to corruption. User security features include individual passwords and form permissions.
- **EFFICIENT:** Dynamic record locking minimizes disruption to other users while ensuring the integrity of the database when changes are made. Visual integrity means all users see and use current data.
- **VALUE:** Because you don't need file server software, MultiUser Helix costs less to install and offers performance advantages that represent real savings.
- MultiUser Helix 3.0: \$800 RRP for 4 users. Additional users (in packs of 4): \$800 RRP.
- Double Helix 3.0 required for application development: \$850 RRP.
- Helix VMX allows you to exploit the power of the Digital Equipment Corporation's VAX machines while using Macintosh or VT Terminals.

Available from your nearest **Apple dealer**  
or contact:

Mercadier Pty Ltd, trading as

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PH: (06) 257 6873 FAX: (06) 257 6976

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#### 1010 accessories

### Zytech PhoneNet Compatible Cable

An alternative to expensive twisted-pair PhoneNet cabling. Guaranteed performance standard.

Mac Plus, SE \$49  
Zytech  
Zytech

#### 1010 accessories

### Zytech SCSI Cable

An alternative series of SCSI cables. Guaranteed performance standard.

Mac Plus, SE \$49  
Zytech  
Zytech

#### 1020 Macintosh

### Cambridge Z88 Laptop Computer

A Mac-companion laptop computer, weighing less than 1kg. Fits into a briefcase and runs a streamlined, menu-driven operating system geared toward simple text processing and spreadsheet/database. It has a full QWERTY keyboard (virtually silent), and a 64 x 640 pixel supertwist 1in x 10in LCD display which is legible under most lighting conditions. There is no disk drive. Applications are stored on 128K ROM, and data is stored in removable 32K, 128K or 512K memory cards, which retains information as long as the batteries are functional. EPROMs in 32K or 128K sizes are available which require no battery backup and enable data to be stored outside the machine and transferred between Z88s. It warns if batteries are low and retains power while they are replaced. It turns itself off after a few minutes of inactivity. Additional applications are available on ROM cards. It can be combined with the Diconix 150+ printer and Xiocon modem for the basis of a very portable office. The price is for the basic machine, with other RAM and EPROM cards, mains power supply, etc, being extra.

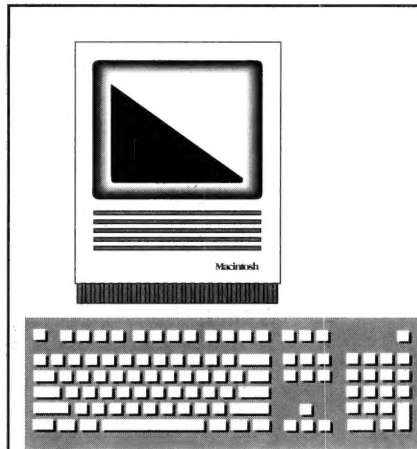
\$995

Cambridge Computers  
ZComp Computers

#### 1020 Macintosh

### Macintosh Classic

Features the familiar compact footprint and integrated 9in black-and-white monitor of the Plus and SE. Light enough to carry from place to place, it uses an 8-MHz Motorola 68000 CPU. Offers a single 1.4Mb internal floppy drive (the SuperDrive), space for an internal hard disk drive, plus an Apple Desktop Bus (ADB) connector for the included keyboard and mouse. There is no expansion slot. Circuitry includes all the standard features that Mac owners take for granted – a graphical user interface in ROM, a SCSI port, a serial port designated for modem use, a serial port for a printer or an AppleTalk network; and an audio output jack. Unlike all other Macs, the Classic's power supply works only with the voltage of the country in which it was designed to be sold. The new logic board has 1Mb of RAM soldered onto it with another 1Mb soldered onto a RAM expansion board.



This expansion board also has two standard SIMM sockets permitting 2Mb, 2.5Mb and 4Mb configurations. A Mac Classic can't use 4Mb SIMMs. The floppy drive stores 1.4Mb on high density disks, 800K on standard density double-sided disks, or 400K on single-sided disks. It also reads, writes, and formats MS-DOS and OS/2 disks from PC compatibles, and ProDos disks from Apple IIs. A second floppy drive cannot be installed. The third-height, 3.5in internal hard drive mounts above the floppy drive. Screen brightness is controlled via Control Panel, and the audio jack outputs two-channel monaural sound at levels compatible with most headphones. A fairly quiet, constant-speed fan sucks air through a vent in the bottom of the Classic. Performance is the Classic's weakest characteristic. However it's enough for word processing, spreadsheets, flat-file databases, black-and-white graphics. Priced competitively with PC compatibles of similar capabilities, it is good value for people with basic needs and a tight budget.

\$2,000-3,000

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh

### Macintosh IIci

Improving on the IIcx line, it offers the 25-MHz 68030 processor together with 80 ns DRAM, implements the burst mode of the 68030 CPU; provides a cache connector ready for either Apple-labelled or third-party hardware RAM cache cards of 32K or 64K; incorporates a video card on a VLSI chip which supports either 640 x 480 pixel displays in up to 256 colours/grey levels, or the larger 640 x 870 displays in up to 16 grey levels; 32-bit QuickDraw is incorporated in the 512K ROMs; provides an optional parity support kit supported in the system software; and is 32-bit "clean" that is ready for a 32-bit operating system and thus Unix-compatible. Approx 20% faster than the Mac IIcx or SE/30, a visible difference for graphics and calculation-intensive tasks. Base version with SuperDrive and 1 Mb RAM sells for \$9650; 4Mb and 80Mb HD \$12,750.

\$9,650 - 12,750

Apple Computer Inc  
Apple Computer Australia Pty Ltd

## 1020 Macintosh

The current list of Macintosh models available for sale in Australia. We also list third-party products that run on a Macintosh interface and support available software, Macintosh "conversions" (such as Outbound), and CPUs which have a commonality with the Mac (for example, the Cambridge Z88 portable).

#### 1020 Macintosh

### Macintosh IIcx

A 32-bit Macintosh with 16-MHz 68030 CPU and an 80-bit 68882 co-processor, a 1.4Mb internal SuperDrive. Features: support for colour QuickDraw; separate 256-byte caches for data and instructions; and a PMMU (Page Memory Management Unit) that supports multitasking operating systems such as A/UX. Provides three NuBus slots compatible with 32-bit expansion cards, two RS232 ports, two ADB ports, a SCSI port, an external floppy drive port and a stereo audio port. Available with 1Mb-8Mb RAM and 40- or 80Mb internal hard drives. Includes mouse, system software, HyperCard and documentation.

\$7,395 - 10,4995

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh

### Macintosh IIfx

The fastest Mac yet developed, it runs a 40-MHz 68030 CPU/68882 co-processor combination, a built-in 32K Static RAM Cache. It uses dedicated I/O processors, SCSI/DMA controller; and includes an expansion slot tied directly to the processor plus six NuBus slots. Improvements on the Mac II include quieter, variable speed fan, and fully adjustable ergonomically designed extended keyboard. Other features include: 512K ROM containing 32-bit QuickDraw, a different type of RAM to other Macs, SuperDrive, 4Mb RAM expandable (with 16Mbit chips) to 128Mb, and 80Mb or 160Mb internal hard drive.

\$13,995-16,995

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh

### Macintosh IIsi

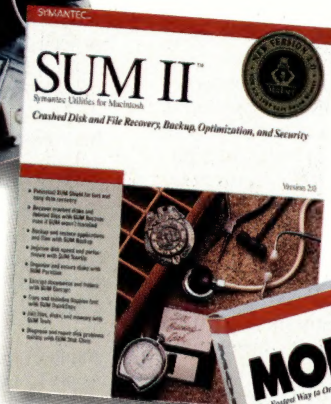
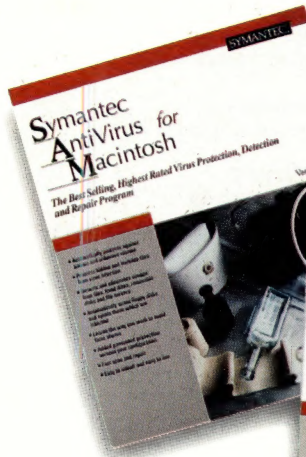
A reduced-height IIcx replacement which retains its best features for a mid-range price. Offers a 20-MHz Motorola 68030 CPU, built-in colour video support and stereo sound output, but only one expansion slot. You'll have to use the one slot for a video card if you need 24-bit colour or a two-page monitor. Its basic



# Symantec Makes Leaders.

## NEW RELEASE!

**SAM Version 2.0:** Protects against both known and unknown viruses and clones, repairs virus-infected files, and offers a 24-Hour Virus Newsline\* for instant updates. Awards: Five Mice rating and a 1989 Eddy Award from MacUser as "The Best Anti-Viral Program" you can buy.

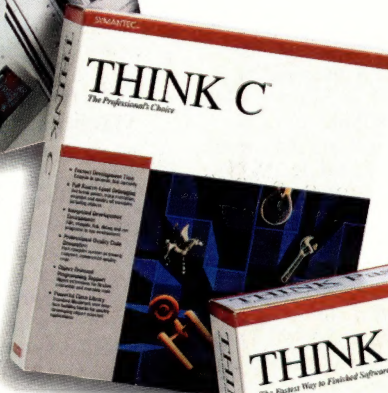


**SUM II:** A comprehensive set of Macintosh utilities for automatic hard disk data protection, including fast data recovery, and improved hard disk performance. Awards: Five Mice rating from MacUser, MacUser Eddy Award, Macworld Readers' World Class Award and Publish! magazine Reader's Choice Award, 1989.



## NEW RELEASE!

**MORE Version 3.0:** Combines the best of outlining, word processing and presentation software. Includes over 100 new templates not available in MORE II, which earned a Five Mice rating from MacUser, 1989; and InfoWorld's "Best In Its Class" Award, 1988.



**THINK C Version 4.0:** Ultra-fast, C language programming environment. Chosen to develop Aldus Pagemaker 2.0, Quark Express 2.0, and MacWrite II, THINK C earns its title "The Professional's Choice." Awards: MacUser's Editor's Choice Award in 1988, The Software Publisher Association's Best Programming Language Award, MacUser Eddy Award, and BYTE's Award of Distinction in 1989 and 1990.



## NEW RELEASE!

**THINK Pascal Version 3.0:** The most comprehensive object oriented Pascal support, for both learning and professional programmers. Awards: MacUser's Five Mice rating in 1988, Macworld's World Class Award (Australia), and MacGuide's Golden Gavel Award in 1989.

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configuration includes 2Mb RAM; will support virtual memory in System 7.0; an internal third-height 40Mb hard disk drive; a 1.4Mb SuperDrive for floppy disks; and a microphone with built-in sound recording circuitry. Users may choose between monochrome and colour monitors, and keyboard style. The IIsi can run Apple's A/UX version of the Unix operating system. The IIsi is housed in a smaller box than the other Mac IIs, measuring 10cm high, 32cm wide, and 38cm deep, and weighs just 9.5 kilos. The case can support up to a 19in monitor such as Apple's Two-Page Monochrome Monitor. It offers just one ADB connector instead of the previously standard two, which means you can add just one additional input device beyond the keyboard and mouse. The IIsi is cooled by a small, single-speed fan, switches itself and a monitor on with the power-on key, and can turn itself back on after a power failure. The speaker faces the bottom of the case, which doesn't help the sound quality, but it is adequate for voice. When you start up the IIsi, its video circuitry senses and adapts itself to the monitor you've attached. It supports up to 256 colours and 16 shades of grey. A separate NuBus display adapter is required to support Apple's 2-Page Monochrome Monitor. In its 16- and 256-colour modes, the IIsi's on-board video runs slower than does a NuBus video board; and up to 320K less memory in the 256-colour mode is available to run programs, so that colour users may want to consider upgrading to 5Mb RAM. The IIsi uses standard SIMMs, with 1Mb soldered to Bank A, and four SIMM slots in Bank B. With 4Mb SIMMs, the logic board can thus hold up to 17Mb. The 32-bit clean 512K ROM contains 32-bit QuickDraw, plus a SIMM slot designed to hold any future ROM upgrades. The IIsi does not contain a 68882 numeric coprocessor. However the single expansion slot which accepts either a NuBus card or an 030 Direct Slot card requires an adaptor card, which also contains the 68882 maths chip, to be fitted first. Users who want colour, swift performance, and all the other trappings of the Mac II family, and may want to upgrade to 24-bit colour someday can be accommodated with a IIsi. But for anyone who wants to combine, say, 24-bit colour with other processing cards, the IIsi is the wrong machine.

\$7,000-9,000

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh Macintosh LC

A half-height "Mac II" with built-in colour video for half the money. A 12in colour monitor sits on top of the chassis, causing the whole bundle to form a smooth cube. Offers 16-bit data path, 8-bit colour built in, a 68020 CPU running at 16-MHz, 512K ROM chips with 32-bit QuickDraw built in, 2Mb RAM, a 40Mb internal hard disk, and a 1.4Mb floppy drive. However, it lacks the PMMU chip for the virtual memory feature of System 7.0. Also includes SCSI port, built-in

video output, microphone and a stereo jack for MacRecorder-quality sound input, a new ADB keyboard and mouse. Its single expansion slot is not compatible with any currently shipping add-in cards. It does not have a 68881 or 68882 maths co-processor. The internal 3.5in, third-height (1in) drive hard drive is currently limited to 45Mb capacity. However, it supports external hard drives. Ships with 2Mb of 80-nanosecond RAM soldered onto the main logic board plus two additional slots for up to 4Mb RAM each. Both slots must be filled for the Macintosh LC to recognize the memory. Although it uses only 8-bit mono sound it is satisfactory for voice, and a headphones jack allows a mono signal to play in both ears and an adapter allows stereo input to be heard as mono, while still allowing the Mac's various beeps to be heard. A key feature is its ability to emulate an Apple IIe by using a special \$400 Apple IIe option card that plugs into the direct slot. Also to be offered is an Ethernet board for connection to a network that's faster than AppleTalk. List price of a colour LC system with 2Mb of RAM, a 40Mb hard drive, and Apple's new 12in colour monitor is under \$4,000. A monochrome system lists for \$3,000.

\$3,000-4,000

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh Macintosh Portable

Not a laptop (38 x 38cm, 10cm high in the back, weighing 6.9kg) in a "bullet proof" polycarbonate shell. Performance is roughly halfway between a Mac SE and a Mac II: 16-MHz MC68000 CPU, 1Mb of high-speed static RAM (using 256K chips), 256K ROM, a stereo sound port. Provides a half-height SuperDrive floppy, 40Mb 3.5in hard drive; optional second (smaller) internal drive, and port for another external SuperDrive. Available without a hard disk, with the option of external hard disks from the SCSI port. The screen is a sharp 640 x 400 pixel (77 dpi) monochrome active matrix LCD display with a wide viewing angle, reflective instead of back-lit. Video port accommodates external video (its adapter runs standard Mac monitors, NTSC and SECAM output, and PAL standard, including colour). The 63-key, built-in regular Apple keyboard, trackball and an ADB port. Limited bus expansion capabilities, with Processor Direct Slot (PDS) a 120-pin socket for networking; a ROM slot for a third-party or user-designed board containing 512K up to 3Mb of ROM; and an 18-pin modem slot, designed for an internal 2400-baud modem. There's no on/off switch. Power is conserved by auto which monitoring use a rest mode (shutting off the display and the hard disk), and a sleep mode (turns off the CPU completely). Press any key and all applications are as you left them. It uses a lead-acid battery which can be recharged at any time without the NiCad "memory" effect. Offers the Battery DA and warning software, and auto-shutdown with four days to recharge the battery before the memory loses its

contents. A built-in transformer automatically adapts from 70 to 270 volts; and sports the "traveller"-type exchangeable power points.

\$9,450+

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh Macintosh SE/30

A 32-bit, faster version of the SE with a 16-MHz 68030 processor, 68882 math co-processor and 1Mb RAM expandable to 8Mb. Features include built-in monochrome display, the Apple FDHD high-density (1.4 Mb) internal disk drive that reads and writes 400K, 800K and 1.4Mb disks and MS-DOS, OS/2 (720K or 1.44Mb) and 800K ProDos disks. Equipped with an 030 Direct Slot expansion interface compatible with third-party video, memory and communications products. Capable of 32-bit colour with card and external monitor.

\$7,950 - 9,950

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1020 Macintosh Outbound

A 4kg Mac-compatible portable which includes a back-lit, double super-twist screen, 1Mb of RAM and a floppy disk drive that reads Macintosh and MS-DOS disks. Other features: an infrared keyboard and a fast silicon disk or RAM drive expandable to 16Mb. The silicon disk retains data for up to a month without AC power. Requires transfer of Mac Plus or SE ROM chips to the portable. Can be operated as a battery-powered laptop using standard lead-acid batteries, or plugged into a Mac Plus or SE. When connected to the original Mac, the two systems use the laptop's MC68000 CPU, running at 15-MHz (twice the speed of the SE). The setup can make use of disk drives, screens and memory in both machines. An external LCD port allows the system to drive LCD overhead projectors. In place of a mouse, which is optional, the Outbound uses a pencil-shaped pointing device built into the keyboard. The tiny floppy drive reads all Macintosh formats up to 1.4Mb and two IBM formats. A set of ROM chips are installed into the Mac host and provide it with AppleTalk Filing Protocol services, thereby transforming the Mac into an AppleShare-compatible file server. Users can access the office Mac remotely via a modem, as if you were connected on an in-house network to print to the office printer, share files, and so on. The cost of this option is less than \$US250. Also added is a SCSI adapter and Emulator for \$US149.

\$US2,995

Wallaby Systems  
none/TBA

## 1021 co-processors

A range of CPU enhancement products, such as the Motorola 68882 maths co-processor. These can be used to upgrade Macintoshes, for example the Mac II up to the performance levels of the IIsi or IIfx. Firmware is included which helps developers with software design. More sophisticated products also add transputers and RISC processing, to go well beyond the performance of any off-the-shelf Macintosh.

prototyping area. The interface is implemented as read/write 32-bit registers. Mac II, IIfx \$642

ADEX Corporation  
Firmware Design

### 1021 co-processors Parity Watchdog

Parity detection board for the Macintosh SE/30 series. \$910  
Micron Technology Inc  
MicroAustralia Computer Products Pty Ltd

### 1021 co-processors Radius Performance Accelerator 16 & 25

A 32-bit, 16-MHz 68020 upgrade for the 512K, Plus or SE. Enhanced SANE routines, hardware cache. Radius MagicBus enables a second internal expansion board to be connected to the Mac SE slot. Provides 3-4 times the speed of a standard Mac SE. Increases speed when scrolling, manipulating graphics, moving between documents, designing graphics, creating forms, and working with a variety of fonts and styles on the Macintosh SE. Optional 68881 maths co-processor improves floating point computation time as much as 50 to 100 times. Full SCSI and Apple-standard compatibility. Performance enhancements in 16-MHz and 25-MHz with or without co-processor.

\$1,595 +

Radius Inc  
Allaw Technologies

### 1021 co-processors Siclone Mac II Accelerators

Mac IIfx version of Siclone Si3033 accelerator, which doubles system speed. All Si3033 models now equipped with an optional 33.3-MHz 68882 math coprocessor. The Si3033cx accelerator adds a 33.3-MHz 68030/68882 with 64K of cache memory, providing an interface for Mac users who don't need six slots. The single-board Si3033cx plugs into the 68030 socket, leaving the three NuBus cards open. It uses the 64K burst mode of the 68030 compatible with 32-bit QuickDraw and A/UX and DMA NuBus

cards. A Cache Control cdev is supplied, which lets users disable the instruction and data caches of the 68030 and the burst mode for either cache. It also prompts the users whether the accelerator is on or off, and if the optional 33.3-MHz 68882 is installed. Prices for the Mac II, IIfx, and IIfx are \$US4,995 with the coprocessor and \$US3,995 without the coprocessor. The Si3050, a 50-MHz CPU version of the accelerator board for the Mac II and IIfx, is also available. Offers 40% speed improvements over the 33-MHz accelerator.

POA

Siclone Sales & Engineering Corp  
NONE/TBA

### 1021 co-processors TransLink

An expandible, transputer-based accelerator package that delivers the power of parallel processing and RISC technology to the Mac II. Based on the Inmos Transputer, a high speed 32-bit parallel processor, incorporating four inter-processor links for high speed communication and synchronisation – the key to effective parallel processing. One TransLink NuBus card carries up to four transputer modules. Software development tools also available: Assembler, C, and the full Inmos Occam system.

Mac II, IIfx \$1,740  
Levco Computers  
Firmware Design

### 1022 upgrades 1 Mb RAM upgrade

1 Mb, 120-ns low profile SIMM upgrade. \$500

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1022 upgrades 1Mb and 4Mb RAM SIMMs

Low profile 1Mb 70-80-ns RAM suitable for all Macs. Lifetime warranty and free instruction manual. (Low profile 70-ns RAM for the IIfx and LaserWriter NTX: \$165.) Low profile 4Mb RAM 70-80-ns RAM suitable for all Macs: \$745.

\$99

Zytech  
Zytech

### 1022 upgrades 2 Mb RAM upgrade

2 Mb, 100ns low profile SIMM upgrade \$950

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1022 upgrades ExpanSE Expansion

External hardware chassis expanding the Mac's ability to accept extra cards, from the Plus to the IIfx. ExpanSE Plus allows the Plus to accept up to four SE option cards; ExpanSE expands the capability of the SE to four SE option cards; Expanse II adds eight option card slots to the Mac II, with the option of up to three half-height SCSI drives. The Mac SE/30 lets you attach NuBus cards instead of an 030 Direct Slot card. It provides eight NuBus slots and includes a 130-watt power

### 1021 co-processors

#### Apple IIfx Emulation Card

Contains a 65C02 processor that runs Apple IIfx programs. Half of the memory is used as standard Apple IIfx memory. (Upping an Apple IIfx program's allotted memory in the Mac's Get Info box allows the application to use the Macintosh LC's.)

Macintosh LC \$400 est  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1021 co-processors

#### ExpanSE Home Base

The Macintosh Portable can be converted to a better-than-standard Mac SE using this expansion chassis, which adds two standard Macintosh SE slots for video cards, communications cards and so on. It plugs in via a cable and interface card, and comes complete on a chassis with a 25-watt power supply and a cooling fan. The expansion chassis solutions from Second Wave may have been receiving less attention than they deserve, given that they often offer better and cost-competitive solutions for bridging and expanding Mac models. Others offered extend from the Mac Plus to the Mac IIfx.

POA

Second Wave Inc  
Current Solutions

### 1021 co-processors

#### Mac86 and Mac286

Emulator boards which provide IBM PC/XT and PC/AT emulation for the Mac SE/II families.

SE, II/II (c, i), x only \$1,000 +  
n/a

Allaw Technologies

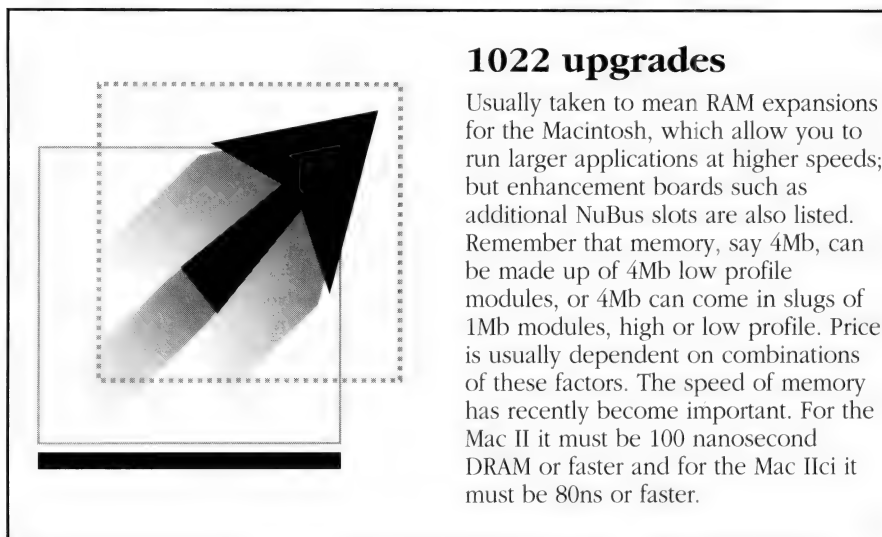
### 1021 co-processors

#### MacProto

n/a

Do-it-yourself four-layer PCB project board kit which lets users interface custom designs to the Mac II. NuBus slave implementation, interrupt generation supported in hardware and software, large slot declaration ROM. Well-suited to engineering labs or low-volume production environments. A full NuBus interface is implemented on the board with the rest of the card available as a wirewrap





## 1022 upgrades

Usually taken to mean RAM expansions for the Macintosh, which allow you to run larger applications at higher speeds; but enhancement boards such as additional NuBus slots are also listed. Remember that memory, say 4Mb, can be made up of 4Mb low profile modules, or 4Mb can come in slugs of 1Mb modules, high or low profile. Price is usually dependent on combinations of these factors. The speed of memory has recently become important. For the Mac II it must be 100 nanosecond DRAM or faster and for the Mac IIfx it must be 80ns or faster.

supply for three SCSI devices. Expanse II/SA is the standalone version of Expanse II. When equipped with a master NuBus processor board, Expanse II/SA becomes a low-cost platform for an alternative computer system, capable of functioning under a variety of operating systems.

\$1,650+

Second Wave Inc  
Current Solutions

### 1022 upgrades

#### Fast Cache IIfx

Offers a 40% increase of speed for Mac IIfx, using its cache connector.

IIfx \$1,920

Daystar Digital  
Keyway Computers

### 1022 upgrades

#### Gemini 20-MHz – 33-MHz Accelerator Cards

68030 accelerator cards with System 7.0 capability. Options include 68882 maths co-processor, 1Mb RAM, Virtual 030 software. The 33-MHz version: \$2,195.

Mac 128 \$2,195

n/a  
Zytech

### 1022 upgrades

#### LT200 MCA or PC

LocalTalk Interface Boards. Enables LocalTalk connection for PS/2 with MCA bus. PC LocalTalk board enables PC or PS/2 owners to user LocalTalk and PostScript printers, and access TOPS or AppleShare 2.0. Easily installed card fits into the expansion slot, supports Novell's NetWare for use as fileserver or workstation (\$499).

\$775

Daystar Digital  
Keyway Computers

### 1022 upgrades

#### Macintosh Memory Modules

A full range of RAM SIMM modules, up to 4Mb.

All Macs \$72+

n/a  
Allaw Technologies

### 1022 upgrades

#### Mercury 16-MHz Accelerator Card

68030 accelerator card with System 7.0 capability. Options include 68882 maths co-processor, 1Mb RAM, Virtual 030 software.

Mac 128 \$1,395

n/a  
Zytech

### 1022 upgrades

#### Micron SIMM Low Profile Memory

1Mb 120ns low profile SIMM memory expansion kit; contains 4 by 256K SIMMs, surface mounted with Micron manufactured 120ns DRAMs. Also 2 by 1Mb SIMMs for the Plus or SE, \$925 and 4 by 1Mb high profile SIMMs for the Mac II series, \$1,730

\$740

Micron Technology Inc.  
MicroAustralia Computer Products Pty Ltd

### 1022 upgrades

#### MM1600FX 16Mb RAM upgrade kit

Allows the Mac IIfx to be upgraded by an extra 16Mb. Uses the latest generation low profile 4Mb SIMMs. As pre-system 7.0 software has an 8Mb RAM limit, the kit ships with a free copy of Maxima (normally \$200), Connectix utility to allow up to 14Mb of RAM to be used by standard system and application software. Maxima uses any remaining memory as a RAMdisk

Macintosh fx \$4,995

Firmware Design  
Firmware Design

### 1022 upgrades

#### MM1600L 16Mb RAM upgrade kit

Allows Mac IIs other than the fx to be upgraded by an extra 16Mb. Uses the latest generation low profile 4Mb SIMMs. RAM Maxima uses any remaining memory as a RAMdisk.

\$4,995

68030-based Macs only  
Firmware Design  
Firmware Design

### 1022 upgrades

#### MM4096FX

RAM upgrade especially designed for use with the Mac IIfx. Allows it to be upgraded to 4Mb or 8Mb of RAM. Consists of four prime quality low profile SIMMs which each contain 1Mb of fast, low power CMOS memory and is fully guaranteed for 24 months.

\$995

Firmware Design  
Firmware Design

### 1022 upgrades

#### MoreMemory 2048/L

A 2Mb RAM upgrade (2 x 1Mb low powered CMOS) compatible with the Mac Plus; a low profile version is available for the Mac SE (2048L). Fully guaranteed for 24 months. Together with two of the original 256K modules it totals 2.5Mb RAM available.

Mac Plus, SE, II \$350+

Firmware Design  
Firmware Design

### 1022 upgrades

#### MoreMemory 4096/L

4Mb RAM upgrade (4 x 1Mb low powered CMOS memory) compatible with the Plus and Mac II; a low profile version is available for the Mac SE. On the Mac II, together with the original 256K modules, it totals 5Mb RAM available. The 4096L series is compatible with all Macs from the Plus to the IIfx, allowing them to be upgraded to 4Mb or 8Mb. Fully guaranteed for 24 months.

Mac Plus, SE, II \$700+

Firmware Design  
Firmware Design

### 1022 upgrades

#### Nemonix Accelerator Card

A 16-MHz 68020-based accelerator. Plugs into the expansion slot, supports optional 68881 maths co-processor. Boosts the performance of the SE from 2-4 times the speed, giving Mac II power to SEs. Lifetime warranty.

\$1,394

Nemonix  
Micro Advantage

### 1022 upgrades

#### Nemonix Video/Accelerator Card

Combined video/accelerator card based on a 16-MHz 68020 co-processor and optional 68881 maths co-processor. Supports the Apple Portrait and 21in, Xerox A4, Taxan 19in, MaxView 19in, Samsung 15in, Sampro OfficePRO II 19in, Princeton MAX-15 15in, Clear VUE/SE19in, the Ikegami C/DM-2010A 20in, others. Boosts performance 2-4 times, Mac II power to SEs as well as running various large monitors. Drives both monitors simultaneously, and allows pop up menus anywhere on the screen. Lifetime warranty.

\$2,520

Nemonix  
Micro Advantage

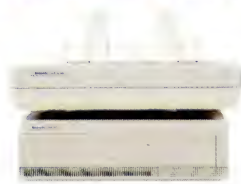




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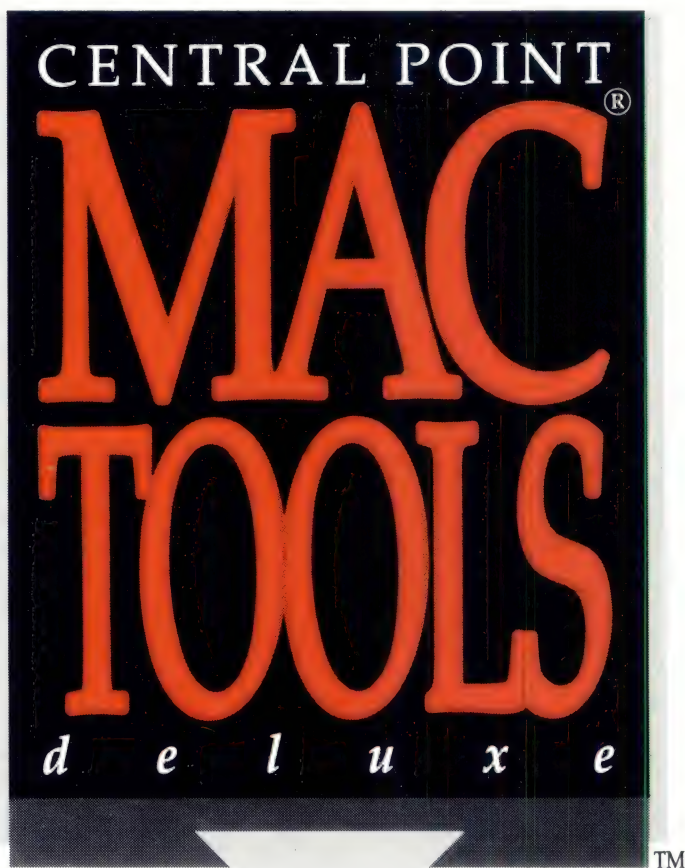
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Phone \_\_\_\_\_ Fax \_\_\_\_\_

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*1022 upgrades*

**NS 8/16 Base Board**

Provides expansion memory for the Mac II in a single NuBus slot; includes RAMdisk software for the Mac OS as well as the A/UX driver. Capable of accepting a daughterboard to increase the memory by 8Mb. 8/16-4B contains 4Mb of RAM (\$3,129) or the 8B contains 8Mb of RAM (\$5,546). Daughter board: \$5,083.

\$3,129

National Semiconductor Corp.  
MicroAustralia Computer Products Pty Ltd

*1022 upgrades*

**PowerCard 030 Series**

25-MHz – 50-MHz accelerators with 68882 maths coprocessor, which include the Motorola 68030; zero wait-state; DayStar XCI port for NuBus connection to fast SCSI, video and RAM cards; SANE software; and 68882 floating point co-processor. For the II/II (c, i, x) only. Upgradable to 50-MHz limit. The 33-MHz version (for the II/IIci, cx only): \$3,820; the 40-MHz version: \$4,770; the 50-MHz version: \$4,770. PowerCard 68030 Socket Installation for IIcx is required for all PowerCard upgrades for Mac IIcx, and costs \$170.

II/II (c, i), x only \$2,87

+  
Daystar Digital  
Keyway Computers

*1022 upgrades*

**PCOX/COAX Memory Board**

Full length high performance board, enhanced by an 80/86 coprocessor with 512K. It features zero wait state memory and can be dual ported to a Macintosh processor.

\$825

Novell Inc.  
MicroAustralia Computer Products Pty Ltd

*1022 upgrades*

**QuickCACHE**

A high speed static RAM cache card to boost Mac IIci performance. Plugs into on-board cache connector.

IIci  
\$1,095

n/a  
Zytech

*1022 upgrades*

**QuickSANE**

Reroutes SANE calls, providing performance boosts for spreadsheets, etc. SE/30, II, IIx, IIcx

\$155

n/a  
Zytech

*1022 upgrades*

**RAM PowerCard**

Up to 64Mb of Virtual Memory and RAM disks.

\$1,350

Daystar Digital  
Keyway Computers

*1022 upgrades*

**SCSI PowerCard**

Cuts hard drive access time in half to match Mac IIcx performance.

\$2,490

Daystar Digital  
Keyway Computers

*1022 upgrades*

**SIMMs**

Memory expansion modules consisting of 1 x 8 1Mb and 4Mb 80ns low profile surface mounted SIMMs for all Macs (when 4 x 4Mb SIMMs are purchased Nanodisk is included). Also: 1Mb memory upgrades for LaserWriter II NTX; 1Mb and

3Mb RAM modules for the Mac Portable – true STATIC RAM which conforms to Apple's power budget.

POA

Technology Works  
Reliable Australian Distributors Pty Ltd

*1022 upgrades*

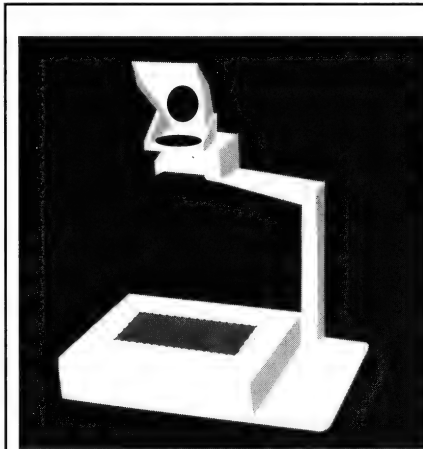
**Voyager 33-MHz Accelerator Card**

68030 accelerator card with System 7.0 capability. Options include 68882 maths co-processor, 1Mb RAM, Virtual 030 software.

Mac 128

\$3,085

n/a  
Zytech



**1030 input and display**

Encompasses a variety of products for data input and display (text, graphics, or both) on the Mac screen. These include several different mouse designs, as well as liquid crystal display screens for overhead projectors, trackballs, lightpens, and touch screens.

*1030 input and display*

**ADB and Plus MouseStick**

A joystick input device for the Plus, or Mac SE and Mac II (ADB). For use in CAD, DTP, graphics and entertainment applications. Features: 1,200-count resolution and a controller with 16K ROM.

\$140

Advanced Gravis Technologies  
Reliable Australian Distributors Pty Ltd

*1030 input and display*

**Anko Mouse**

A 200 dpi one button optomechanical mouse.

Mac 512K

\$69

Anko  
Micro-Educational Pty Ltd

*1030 input and display*

**Apple 4•8 Display Card**

A new display card that offers 16 greyscales on Apple's portrait and twin page monitors and 256 colours on the 13in RGB monitor.

Mac II, IIx, IIcx

\$1,195

Apple Computer Inc  
Apple Computer Australia Pty Ltd

*1030 input and display*

**Apple 8•24 Display Card**

A new display card that offers 256 grey scales on Apple's portrait and twin page monitors and more than 16 million colours on the 13in RGB monitor.

Mac II, IIx, IIcx

\$1,695

Apple Computer Inc

Apple Computer Australia Pty Ltd

*1030 input and display*

**Apple 8•24GC Display Card**

A new display card that offers 256 grey scales on Apple's portrait and twin page monitors and more than 16 million colours on the 13in RGB monitor. This card includes a graphics co-processor that speeds up QuickDraw.

Mac II, IIx, IIcx

\$3,295

Apple Computer Inc  
Apple Computer Australia Pty Ltd

*1030 input and display*

**Apple Video RAM**

A 512K of video RAM (VRAM) that can upgrade the Mac LC, IIxi and IIci and the 4•8 video board. With the VRAM card, the Apple 12in monochrome monitor can display 256 grey shades and the 13in RGB monitor can display 256 colours or grey shades. The 12in colour monitor with the video upgrade will display 32,000 colours or grey shades. While that's not as many as the 16 million that a 24-bit adapter can display, it is good enough for most uses.

POA

Apple Computer Inc

Apple Computer Australia Pty Ltd

*1030 input and display*

**ColorCard/24**

With any Mac II, Apple Colour monitor and ColorCard/24 you can display each pixel in any of over 16 million colours. For



better performance add an optional graphics accelerator module.

\$1,415

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### Colorvue

Allows either a Mac II colour monitor or an IBM VGA colour monitor to be connected to a Mac SE. Users can display up to 16 colours simultaneously from a palette of 4096. Allows adjustment for hue, brightness and saturation of colours to customise an image's final appearance.

\$1,135

Orchid Technology  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### Fast-Track

A high resolution 3-button trackball for the Mac SE and Mac II. Enables the user to modify button actions to execute menu commands, lock objects, and emulate keystroke actions. Includes a processing unit that connects between mouse and ADB port. The ICS utility software enables the creation of unlimited Sets which define mouse tracking speed and button click actions.

\$236

Advanced Gravis Technologies  
Reliable Australian Distributors Pty Ltd

#### 1030 input and display

### Gravis Mousestick

Optical joystick for the Mac. Plugs in via the ADB port, comes with a Control Panel cdev to alter the setup and store favourite settings.

\$199

Advanced Gravis Technologies  
Reliable Australian Distributors Pty Ltd

#### 1030 input and display

### MAC-101 Keyboard

A high performance IBM-style keyboard for the Macintosh with 101 keys including function keys. Available in Beige or Platinum for the Plus or Platinum for the SE or better.

\$340

DataDesk International  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### Mac 'n Touch

Touch screen for the Mac. It plugs into an ADB port and runs with all Macintosh software, including in particular HyperCard. Database applications could also be made more accessible using buttons and a touch screen. The touch point resolution is 1024 x 1024 points, greater than that of the Mac screen. The screen consists of a single glass sheet with a resistive characteristic using analogue capacitive sensing technology and software to turn your finger into a mouse.

\$1,596

All Macs  
MicroTouch Systems Inc  
Rand Walker Pty Ltd

#### 1030 input and display

### Macintosh Display Cards

Series of display cards for supporting a

wide range of monitors and graphics capabilities. Ranging from 4-bit to 24-bit.

\$349+

II/II (c, i), x only  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1030 input and display

### Nemonix Video Cards

Cards for the Mac SE which support the Apple 21in, Apple Portrait, Xerox A4, Taxan 19in, MaxView 19in, Samsung 15in, Sampro OfficePRO II 19in, Princeton MAX-15 15in, Clear VUE/SE 19in, the Ikegami C/DM-2010A 20in as well as others. These boards provide a means of interfacing the Apple Portrait and 21in to a SE. Capable of driving both monitors at the same time and allows pop up menus anywhere on the screen. Lifetime warranty.

\$1,211+

Nemonix  
Micro Advantage

#### 1030 input and display

### NuVista Graphics Cards

Consists of 1Mb, 2Mb and 4Mb cards. All cards support Apple's 32-bit QuickDraw. The card is a genlockable PAL output device which includes hardware zooming and panning through the use of Texas Instrument's TI34010 chip. The hi res colour display card for the Mac II provides 1280 x 960 pixels, 256 colours from a palette of 16.7 million. The 2Mb provides a virtual canvas of 2K x 1K; and the 4Mb provides a virtual canvas of 2K x 2K. Can accommodate another 2-, 4- or 8Mb RAM, giving up to 12Mb on a single slot card.

\$n/a

Truevision Inc  
Vision Control Australia Pty Ltd

#### 1030 input and display

### PC Viewer

A range of colour and black and white LCD panel projectors for Macintosh computers. The model 5000cx colour LCD panel projector is only for the Mac IIfx, IIfx, etc. Overhead projector needed to display images.

from \$1,300 to \$10,900

II/II (c, i), x, fx  
Infocus Systems Inc  
Electroboard

#### 1030 input and display

### Portable Publisher

A video board for the Mac Portable which is capable of driving the Apple 13in, 15in, and 21in monitors. It draws very little power and conserves battery life. The card is self-configuring, and can identify which monitor is attached.

\$995

Portable  
Generation X Technologies  
Megavision

#### 1030 input and display

### Radius DirectColor Display System

The DirectColor/16 and the DirectColor/24 are Mac II-compatible video interface cards for displaying of photographic-quality images. Available in either 16-bit or 24-bit format; 1152 x 882 resolution, and with a 72-Hz screen refresh rate. DirectColor/16 displays

32,768 colours simultaneously; DirectColor/24 permits 16.7 million colours displayed. Both work with the Radius Colour Display. DirectColor/16 is fully upgradable to 24-bit. Radius 8-bit Colour Display System users can upgrade to 16- or 24-bit capability with a DirectColor Interface (compatible with Apple's 32-bit QuickDraw standard).

\$12,000 +

Mac Plus, SE, SE/30, II  
Radius Inc  
Allaw Technologies

#### 1030 input and display

### RasterOps 224 Video Board

Supports Apple's Full Chunky implementation of QuickDraw. Functions in 1-, 2-, 4-, 8-, 24- and 32-bit modes at 800 x 600 on 16in monitors or 1024 x 768 on 19in monitors. Available with a PAL option that permits 768 x 576 resolution.

\$US5,195

II/II (c, i), x only  
RasterOps Corporation  
Mitsui Computers Ltd

#### 1030 input and display

### RasterOps Colorboard 208

An 8-bit colour display board, upgradable to 24 bits. Enables users to upgrade from 8- to 24-bit colour by buying 1Mb of video RAM chips (worth around \$395) and simply plugging them into sockets on the board. Uses the same custom VLSI chip as used on the company's Colorboard 264 and provides 72 dpi resolution on compact Mac screens and 640 x 480 display on Apple-compatible 13in monitors. The board is compatible with Apple's 32-bit systems and supports 1-, 2-, and 4-bit as well as 8- and 24-bit modes. A second oscillator also permits 30-Hz NTSC video signals to be displayed but not modified.

\$945 inc tax

RasterOps Corporation  
Mitsui Computers Ltd

#### 1030 input and display

### RasterOps Colorboard 324

Frame-grabbing board with separate inputs for RGB, composite and S-VHS video which are controlled by their Truevision software.

POA

RasterOps Corporation  
Mitsui Computers Ltd

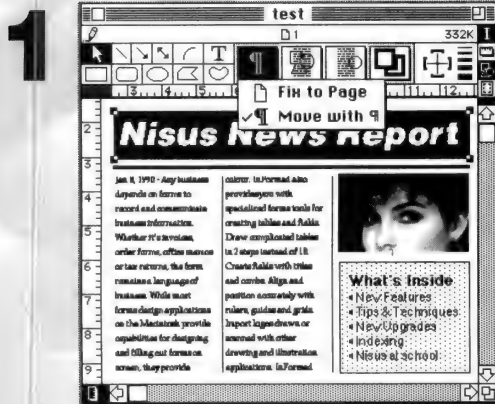
#### 1030 input and display

### RasterOps Colorboard 364

A video capture and display board that allows realtime video to be displayed in a window on top of a live application. Permits colour video signals from an (PAL) TV source to be displayed and modified in realtime 24-bit colour on a non-interlaced Mac screen. The live video appears in a window that can be sized, stretched, and moved around the desktop. The video does not cause interruption or slowing of the application that is running concurrently, because the board uses its own memory and the same processor as the Colorboard 264. MultiFinder is not required, and the board occupies a single NuBus slot. Control Panel software allows users to select pixel depths and virtual-screen sizes from 640 x 480 to 4096 x 521

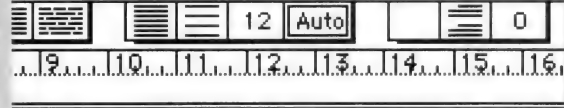
# New Nisus 3.0 rules OK!

Now the best is even better! Nisus is the award winning word processor with high-level proofing, editing and writing capabilities. Nisus 3.0 continues to set standards for power and ease of use. Just take a look at some of these new features. Can you really do without the power of Nisus 3.0 in your work?



## Placed Page Graphics (PPGs)

Pull in any Nisus file into your current Nisus document. Rotate it, scale it, crop it, then move it to anywhere on the page. Flow text automatically around any PPG or graphic. To edit a PPG just double-click on it. Also use PPGs to create hypertext documents. Only Nisus can do it!

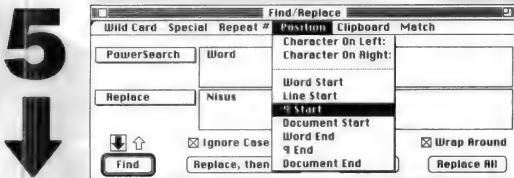


**Text Ruler Options.** The new Nisus text ruler includes true leading and Super Style sheets. You can even enter measurements directly into entry boxes on the ruler. Only Nisus can do it!

res including Super Style Sheets, more graphic ar  
atibility with other layout applications, plus a ref  
greater ease of use. Nisus includes several new fe  
ling edge of word processing technology.

## Non-contiguous text selection

Need to style different sections of your text at the same time. Perhaps you want to select different portions of the text simultaneously and copy them all at once. Only Nisus can do it!



## Power Search.

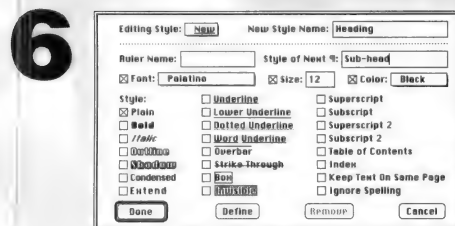
Nisus can search for patterns of characters not just literals using an incredible range of wildcard characters. Searches are also font and style sensitive. e.g., Nisus could find any number that starts with a \$ sign and bold the whole figure. It's easy to do, but only Nisus can do it!

## Font Size Style Misc. Menu

Arrow  
Avant Garde  
Bookman ⤴ ⌘B00  
Chicago ⤴ ⌘CHI  
Courier

## Phonetic Keyboard commands.

Assign command key equivalents to any pull down menu, even font menus, using phonetic keyboard commands. Make Nisus emulate the key commands on your old word processor. Phonetics give you flexibility and ease of use. Only Nisus can do it!



## Super Style Sheets.

Not content with ordinary style sheets Nisus gives you incredible control over formatting down to the character level. Only Nisus can do it!

## AND MORE!

- Optional legal, medical and foreign dictionaries.
- Open or save in other WP formats.
- Full drawing environment.
- Automatic parentheses checking, looks for matching quote marks, and balances brackets etc.
- Fully editable footers, headers and footnotes.
- Cross referencing even of graphics and footnotes.
- Full macros with an advanced scripting language.
- Automatic back up system plus much much more!

WANT TO SEE A DEMO DISK? Just send us \$5.95, and we'll ship you one immediately!

Distributed exclusively in Australia & New Zealand by  
Trio Technology Suite 2, 115 Bluff Rd Black Rock, Victoria Australia 3193. Phone 03-521-0099 Fax 03-521-0183



pixels. Also permits hardware pans and zooms. Additional software allows frame-grabbing, image cropping, the inverting of colours, image rotation, and colour editing with the board. The SFX version comes in PAL, turning the Macintosh effectively into a studio mixer.

\$3,500

RasterOps Corporation  
Mitsui Computers Ltd

#### 1030 input and display

### Spectrum/24 PDQ

Photographic quality colour card that supports Apple's "two-page standard" display resolution of 1152 by 870 pixels at a 75-Hz vertical refresh rate. Supports SuperMac's Colour Two Page Display, 19in colour Display, 19in Trinitron Display and 16in Trinitron Display, the Spectrum/24 PDQ card also supports the Apple Colour 13in display.

\$7,842

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### Spectrum/24 Series III

A True Colour Graphics card incorporates high performance VLSI technology, SuperMac's Graphics Accelerator and Virtual Desktop tools to deliver the ultimate in True Colour performance for Mac II users.

\$6,285

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### Spectrum/8 PDQ

Graphics card with on-board second-generation QuickDraw accelerator, displays up to 256 colours or shades of grey simultaneously on-screen and supplies the performance you need for advanced graphics and computer aided design. This single-slot, high quality solution gives you high resolution 8-bit graphics and acceleration, previously available only on 24-bit systems. The card supports Apple's two-page standard resolution of 1152 by 870 pixels at 75-Hz vertical refresh rate. Additional displays supported by the Spectrum/8 PDQ include Apple Two Page Display, Apple Colour 13in and Apple Macintosh Portrait displays.

\$3,009

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### SuperMac Monochrome Card

Hi-res monochrome graphics card. Used with the SuperMac Platinum Two Page Display or 19" Platinum display the Monochrome Card allows you to view two-page documents or work on large graphic layouts. Also supports Apple's two-page standard resolution of 1152 by 870 pixels, at 75-Hz and the Apple Portrait Monitor.

\$789

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### SuperMouse

A hi-res three-button mouse for the SE and Mac II. Enables users to modify button actions to execute menu commands, lock objects and emulate keystroke actions. Includes a processing unit that connects between mouse and the ADB port. The ICS utility software enables the creation of unlimited sets which define mouse tracking speed and button click actions.

\$180

Advanced Gravis Technologies  
Reliable Australian Distributors Pty Ltd

#### 1030 input and display

### Switchboard

Replacement extended keyboard for all Macs and PCs. User-configurable with various productivity modules available. Movable Function keys, trackball and macro keys, which assists the left-handed user.

All Macs and PC's \$445+

Datadesk International  
Memory and Storage Technology Pty Ltd

#### 1030 input and display

### Turbo Mouse

A small footprint trackball-style mouse-substitute, providing mouse functionality without having to move it about. Features 200 cpi resolution (Apple's mouse is 92 cpi) for speed and greater control. ADB connectors, and two-button convenience. Normal mouse can be used at the same time, as it connects directly to the Turbo Mouse.

\$349

Kensington Microware Ltd  
MicroAustralia Computer Products Pty Ltd

#### 1030 input and display

### UnMouse

A compact (75cm x 115cm), touch-sensitive glass tablet that uses your finger. To locate the cursor, simply slide your finger over the glass. To make a selection, merely press. Does everything a mouse can do and more: with the UnMouse stylus you can annotate, sketch and draw precisely with a 1,000 x 1,000 point pad. A key pad under the glass is included, for programming and executing common commands and macros.

\$295

MicroTouch Systems Inc  
Reliable Australian Distributors Pty Ltd

#### 1030 input and display

### Wacom graphics tablets

A series of pressure-sensitive, cordless styli for use with various tablet sizes and surfaces.

Plus up \$1,335+

Wacom  
Memory and Storage Technology Pty Ltd

#### 1030 input and display

### Xceed SE/30

6-48

A 640 x 480 resolution colour video card for Macintosh SE/30, providing either 1-, 2-, 4- or 8-bits per pixel, displaying up to 256 colours from a 16.7 million colour palette. Includes a DA and installation

instructions.

Mac SE/30 \$ 750

Micron Technology Inc  
Halldale Technologies

#### 1031 monitors

### 16in Trinitron Colour Display

Provides 50% more work space than the standard Apple 13in and offers sharp 832 by 624 resolution and cylindrical CRT with Trinitron aperture grill for accurate colour graphics. A high-contrast antiglare panel, a standard feature on all SuperMac Displays, minimizes eyestrain and fatigue. Provides WYSIWYG resolution of 72 dpi, at 75-Hz.

\$4,782

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1031 monitors

### 19in Platinum Display

For hi-res greyscale or black and white applications this 19in display provides large screen 1024 by 768 pixels, 72dpi resolution at 75-Hz vertical refresh rate. Display area is four times that of the standard Macintosh display. A high-contrast antiglare panel to minimise eyestrain is standard. Ergonomic design with a tilt and swivel stand to optimise the viewing angle.

II/II(c,i) x series only \$2,599

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1031 monitors

### 21in Platinum Two Page Display

Offers Apple's "two-page display standard" resolution of 1152 by 870 pixels, 77 dpi at 75 Hz. Compatible with cards that support Apple's two-page standard, creating a mix and match environment that lets you use existing equipment.

\$3,220

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1031 monitors

### Apple 12in Colour Monitor

Offers 512 x 384 resolution, almost the same number of pixels as in the original 9in Macintosh built-in monitors (512 x 342), and 256 colours. Brightness and contrast controls are on the right side of the monitor, within easy reach. In the back of the monitor are controls for image height and vertical and horizontal skew. Adjusting these requires the use of a special plastic-coated alignment tool, but at least a technician can access them without removing the monitor casing.

\$1,000

Apple Computer Inc  
Apple Computer Australia Pty Ltd

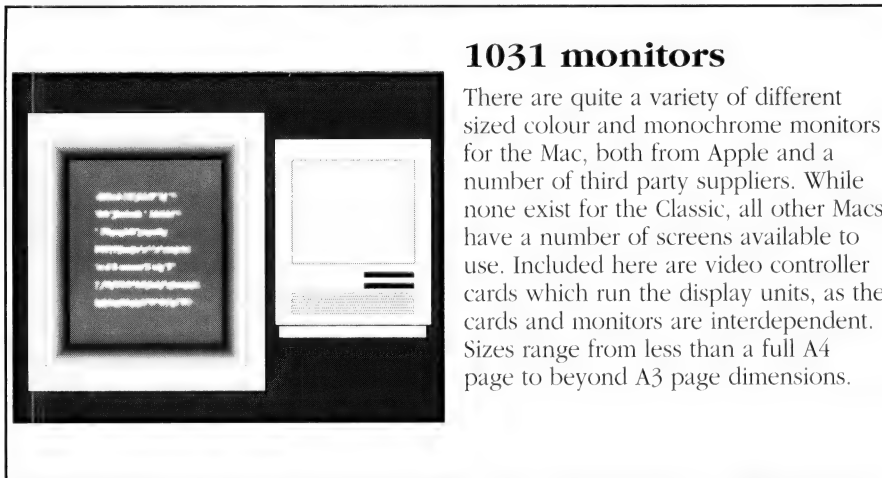
#### 1031 monitors

### Apple 12in Monochrome Monitor

An new design which, together with the built-in video card, displays 16 levels of grey. It offers a resolution of 640 x 480 pixels, which translates into 76 dpi.

\$600

Apple Computer Inc  
Apple Computer Australia Pty Ltd



## 1031 monitors

There are quite a variety of different sized colour and monochrome monitors for the Mac, both from Apple and a number of third party suppliers. While none exist for the Classic, all other Macs have a number of screens available to use. Included here are video controller cards which run the display units, as the cards and monitors are interdependent. Sizes range from less than a full A4 page to beyond A3 page dimensions.

### 1031 monitors

#### Apple 13in Hi-Res colour

A high resolution RGB colour monitor made for Apple by Sony. Takes advantage of the Mac's graphics capabilities, in either colour or using 256 grey scales. Analogue 13in screen with a 66.7-Hz scan rate and 640 x 480 resolution. Requires the Macintosh II Video Card (\$972) and Video Expansion kit (\$279). This monitor is capable of simultaneously displaying 16 to 256 colours from a palette of more than 16.7 million colours.

\$1,895

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1031 monitors

#### Apple Portrait Monitor

This monitor displays one full international size A4 page. The screen measures 15in diagonally and displays 640 x 870 pixels at 80 dpi. It displays true greyscale shading, with the amount of RAM on the required video card determining the number of shades. Ergonomically it features a high refresh rate of 75-Hz, flat screens with square edges for least distortion and best focus near the edges. The monitor has three ADB connectors – one for the Mac and the others to the keyboard and mouse. It has a two metre power cord. Price includes the video card.

Mac II, IIx, IIcx \$1,795  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1031 monitors

#### Apple Two-Page Display

Displays two full pages, including the menu bar, a window title, and horizontal and vertical scroll bars. The pages can be international size A4, vertically oriented. The screen measures 21in diagonally and displays 1152 x 870 pixels. It displays greyscale shading, with the amount of RAM on the required video card determining the number of shades. Features a high refresh rate of 75-Hz to minimise flicker and eye fatigue, flat screens with square edges for least distortion and best focus near the edges. Also has an etched screen to reduce glare,

and an integral tilt and swivel stand that permits adjusting the viewing angle. It has a two metre power cord.

Mac II, IIx, IIcx \$3,495  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1031 monitors

#### E-Machines C20

A 20in two-page display and interface card based on an Hitachi monitor. It supports a 1,024 x 808 pixel display at 75 dpi. It features a 72-Hz refresh rate and a close on-screen match to PMS colours. The interface card can display 256 colours from a palette of 16.7 million. Interface cards are available for the Macintosh II, IIx, IIcx, IIci, IIfx and SE/30.

68030-based Macs only \$8,455  
E Machines  
PICA Pty Ltd

### 1031 monitors

#### E-Machines ColorPage T16

A 16in colour screen and interface card based on a Trinitron monitor. It supports a 832 x 624 pixel display at 72 dpi. The interface can display 256 colours from a palette of 16.7 million colours. Interface cards are available for the Macintosh II, IIx, IIcx, IIci, fx and SE/30.

68030-based Macs only \$5,495  
E Machines  
PICA Pty Ltd

### 1031 monitors

#### E-Machines T19

A 19in two-page display and interface card based on a Trinitron monitor. It supports a 1,024 x 808 pixel display at 75 dpi with a 72-Hz refresh rate. Interface cards for 8-bit and 24-bit colour are available. Interface cards are available for the Mac II, IIx, IIcx, IIci, IIfx and SE/30.

68030-based Macs only \$11,295  
E Machines  
PICA Pty Ltd

### 1031 monitors

#### E-Machines TX

A 16in two-page display and interface card based on a Trinitron monitor. It supports a 832 x 624 pixel display at 72 dpi. Interface cards for 8-bit and 24-bit colour are available. Interface cards are

available for the Macintosh II, IIx, IIcx, IIci, IIfx and SE/30.

68030-based Macs only \$7,995  
E Machines  
PICA Pty Ltd

### 1031 monitors

#### Macintosh DrawingCard Series

Series of 2-page flat screen monitors: ChromaVision Plus (24-bit, 16.7 million colours); ChromaVision (8-bit, 256 colours); and GrayVision (256 greyscale). Each includes a graphics controller card and is compatible with 32-bit QuickDraw. II/II (c, i), x only POA  
CalComp

Budde International Technologies Pty Ltd

### 1031 monitors

#### Radius Pivot Monitor

Blending together full- and dual-page displays, it physically "flips" between portrait and landscape orientations without the need to reboot software. Its software reorganizes the desktop after 90° rotations, repositioning menu and scroll bars and moving icons to replicate their previous arrangement. Particularly useful with spreadsheets, graphics, and page layout programs.

Supports most Mac applications, has a 69-Hz refresh rate, and 640 x 864 resolution in portrait orientation. Weights are used to balance the display during and after rotation, and a specially designed magnetic shield isolates the deflection circuitry from the earth's magnetic fields. Circuitry and cooling vents optimise cooling in both orientations. Available with interface boards for the Mac SE/30 and Mac II family, and comes in a 2-bit version that offers up to four shades of grey. An upgrade kit allows users to turn the monitor into a 4-bit display with up to 16 shades of grey. A colour version of the Pivot monitor is expected in 1991.

SE/30, II \$2,900+  
Radius Inc  
Allaw Technologies

### 1031 monitors

#### Radius Two Page Display

Displays two 8.5in x 11in pages or a B-size drawing, with a paper-like image. Features a 19in monochrome screen, controller board, interface cables, tear-off menus and extensive utility firmware. Featuring an integrated tilt/swivel base for screen positioning and front controls to allow easier access to power, brightness and contrast. Can be used with the Radius GS/C Interface, giving users the option of upgrading the display to include greyscale capability. The 21in version offers a flat screen, 8-bit greyscale, 1152 x 882 pixels at 74 dpi, and a 71-Hz refresh rate. Capable of calibrated greyscale. Includes RadiusWare, tilt/swivel base and front controls. Switchable to PC/AT graphics mode.

Macintosh SE, SE/30, II series \$4,000+  
Radius Inc  
Allaw Technologies



#### 1031 monitors

##### The Big Picture 17 and 17IQ

A 17in display showing 1,024 x 808 pixels. Includes a 128K RAM interface card. Board installation requires no permanent modifications or soldering. Available in models for use with 512/Plus, SE and Mac II. The IQ displays two pages for the high-resolution editing of scanned images. Features 256 shades of grey, and displays 1,024 x 808 lines for a 13.5in x 10.5in area in drawing and page layout programs. Includes a monitor, video controller, cables and software.

All Macs \$3,325 - \$3,585  
E Machines  
PICA Pty Ltd

#### 1031 monitors

##### The Big Picture Z21 and Z21 IQ

A 21in two-page monochrome display. The Z21 supports four software-switchable resolutions (80, 72, 40 and 36 dpi). The display also supports hardware panning that allows the viewable screen to move across the virtual screen much faster than using scroll bars. The IQ (for Mac SE/30 and Mac II series) adds a plug-in memory module that gives a 256-greyscale display and larger virtual screen. The extra memory can display a virtual screen as large as two broadsheet newspaper pages.

All Macs \$4,375 - \$ 6,475  
E Machines  
PICA Pty Ltd

#### 1031 monitors

##### Two Page 21in Colour Display

Hi-res colour model of the 21in SuperMac monitor. Supports Apple's two page standard resolution of 1152 by 870 pixels, 77 dpi at 75-Hz. A high-contrast antiglare panel minimizes eyestrain and fatigue and enhances contrast without sacrificing resolution.

II/II(c,i) series only \$7,898  
SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

#### 1031 monitors

##### Xactor V15S Monitor

A high resolution A4 (portrait) monochrome display, 920 x 720 pixels. The standard 72 dpi paper-white phosphor screen generates a picture that is particularly easy to work with. Includes the monitor, control card, software, tilt and swivel stand, cables and two years warranty.

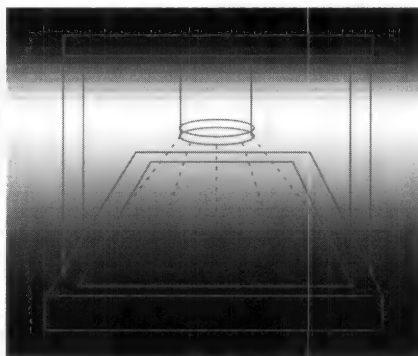
Mac SE \$1,788  
Xyber Pty Ltd  
Xyber Pty Ltd

#### 1031 monitors

##### Zytech 19in Display

Large, flicker-free monitor which includes video card of choice.

Mac SE \$1,975  
Zytech  
Zytech



#### 1032 scanners

##### Apple Scanner

As well as scanning at 300 dpi, the 8.5in x 14in flatbed scanner supports PICT, TIFF, MacPaint file formats and features a 72 dpi fast-scanning mode designed for previews. The Preview is said to be particularly helpful for one of the scanner's more unusual features: the ability to scan an image into a shape drawn on the screen. Resolutions supported: 75, 100, 150, 200, and 300 dpi. Greyscale is supported in 16 levels of grey. Average scanning speed is about 10 to 12 seconds per page. Competitively priced.

\$2,995

Apple Computer Inc  
Apple Computer Australia Pty Ltd

#### 1032 scanners

##### Barneyscan CIS 4520 Scanner

A multi-format 24-bit colour scanner capable of scanning 35mm slides, 2.25in, 4in x 5in and film strip formats with a resolution of 2,000 by 3,000 lines per inch. Incorporates a 16-MHz 80386 processor, 8Mb of RAM and a 40Mb hard disk to allow image scanning in the background. Unlike the original Barneyscan, the CIS-3515, this unit connects directly via the SCSI port.

It also includes the CIS-XP Extended Image Processing Software and the separation software CIS-ColorAccess. ColorAccess was written by the newly formed research and development subsidiary, Barneyscan Pty Ltd, an Australian company with headquarters in Sydney.

\$US27,995

Barneyscan Corporation  
Mitsui Computers Ltd

#### 1032 scanners

##### Barneyscan CIS-3515

Very high resolution 35mm slide transparency scanner; supports 32-bit QuickDraw, image manipulation and colour correction facilities, auto-calibration. For high-end DTP and pre-press applications. IBM compatible. Improvements in the optics give 25% improvement in image quality. CIS-XP Extended Image processing

## 1032 scanners

Like monitors, scanners are available for use with almost all Macs. These include colour or monochrome flatbed models, sheetfeed models and hand-held scanners, as well as slide scanners and photographic colour processors. Prices and performance vary considerably (resolution, various colour or greyscale scanning capabilities, file output formats, and so forth). The smallest are handheld units, and the largest compete with professional high-end equipment.

software is included.

Mac II, IIfx, IIfx \$62,725  
Barneyscan Corporation  
Mitsui Computers Ltd

#### 1032 scanners

##### Datacopy 730

Entry model 8.5in x 11.5in flatbed scanner, also compatible with IBM PCs. Optional OCR software and automatic document feeder.

\$3,995

Datacopy Corporation  
Image Systems

#### 1032 scanners

##### Datacopy 830

Based on the same Ricoh scanner as the Abaton Scan 300/FB. A 6-bit scanner; hard disk essential. Attaching to a Mac requires purchasing a SCSI system cable. Claimed to be the easiest setup of all separate SCSI interface scanners. MacImage software includes gamma correction and halftone editing; choice of 16- or 64-grey level scans. Only 90-day warranty period.

Mac Plus, SE, II \$5,395  
Datacopy Corporation  
Image Systems

#### 1032 scanners

##### Epson GT-1000 Scanner

A personal colour image scanner offering selectable resolutions of 50, 100 and 200 dpi, and Mac and IBM compatibility. Reads documents up to A7 size (74mm x 105 mm), applications including PageMaker, PixelPaint Professional and MacPaint. Features full colour and 256 grey shades, selectable halftones, zoom, gamma correction and brightness control. Two interfaces supplied, RS-232C serial and bi-directional parallel. Options include Epscan II utility program for reading scanned images and saving to disk, Epscan MacScanner Utility Program, serial cable, and SCSI interface kit. One-year warranty.

\$1,890

Epson Australia  
Epson Australia

#### 1032 scanners

##### Epson GT-6000 Scanner

A 300 dpi flatbed colour image scanner. Reads documents up to A4 size, with

applications including PageMaker, PixelPaint Professional and MacPaint. Features 64 gradations of colour and 256 grey shades, selectable halftones, zoom, gamma correction and brightness control. Two interfaces, RS-232C serial and bi-directional parallel are supplied. Options include Epscan II utility program for reading scanned images and saving to disk, Epscan MacScanner Utility Program, serial cable, and SCSI interface kit. One-year warranty.

\$3,490

Epson Australia  
Epson Australia

#### 1032 scanners

### HP ScanJet Plus

An 8-bit greyscale flatbed scanner, with an optical resolution of 300 dpi and 256 levels of grey.

\$3,294

Hewlett-Packard Co  
Hewlett-Packard

#### 1032 scanners

### HP ScanJet Scanner

Flatbed scanner, handles documents up to 8.5in x 11.5in, including bound documents. Automatic document feeder. Features selectable output resolution from 38 to 600 dpi. Reduces and enlarges images from 7% to 1,578% depending on resolution. Interface kit consists of software in application or DA format. Includes: power supply, interface converter box and parallel cable; DeskScan software (for use with the Clipboard, to import images into applications); and DeskPaint software, featuring various paint tools for revising and enhancing images. Requires additional SCSI system or peripheral cable.

\$2,681

Hewlett-Packard Co  
Hewlett-Packard

#### 1032 scanners

### JetReader

Compact scanner capable of processing images and text. The 10-page automatic document feed is suited for graphics and OCR in office applications. Requires MacImage or MacOCR software. Can scan images in 35 seconds at 200-300 dpi. MacImage or MacOCR software \$2,795  
Datacopy Corporation  
Image Systems

#### 1032 scanners

### LightningScan

A hand-held 400 dpi scanner offering 16 grey levels, which reads an area of 4in wide.

\$949

ThunderWare Inc  
Techflow Pty Ltd

#### 1032 scanners

### MacImage

2.1

Full greyscale scanning software that supports Datacopy desktop scanners. Saves images in all popular Macintosh file formats including PICT 2, TIFF, and RIFF which has greyscale compression capability. Halftones, gamma curves, and

other images manipulation tools may be fully and interactively defined by the user.  
\$895

Datacopy Corporation  
Image Systems

#### 1032 scanners

### MacScan Colour

1.49

MacScan Colour supports colour and 256 greyscale scanning and is available in A4 and A3 sizes with optional transparency and slide adapter. Optionally bundled with LaserPaint Colour II to do colour separation, colour image editing, tonal adjustment and document composition. II (4+ Mb RAM) \$8,695 +  
New Image Technologies  
PICA Pty Ltd

#### 1032 scanners

### MacScan/Professional

1.48

MacScan interfaces with Canon's IX-12 range of image scanners. MacScan software provides sophisticated scanner control, image editing and cropping. Supports all popular Macintosh graphics file formats. Used with driver software, it provides a versatile range of scanning capabilities for line art, dithered half tone, 16 greyscales and optical character recognition. An upgrade to MacScan Professional, a 256 greyscale version, is available. Mac Plus, SE, II (SCSI 1+ Mb) \$3,410 - 4,555  
New Image Technologies  
PICA Pty Ltd

#### 1032 scanners

### Microtek MSF-300G Scanner

Flatbed 300 dpi scanner with 256 grey scales; 1- or 8-pixel resolution settings; up to 4 windows open simultaneously; 14 levels of brightness and contrast; reads TIFF, PostScript, GPostScript, MacPaint, PICT, EPS, GEPS, Versacan. It provides comprehensive halftone and text editing; solid construction; and intuitive software interface. Also provides two different software applications: Versascan Plus (which has no pre-scan mode) for scanning line art/halftone; and Mac-GreyScan for greyscale. The SCSI system, peripheral cables and terminator are not supplied; the adapter module, parallel interface cable and separate power supply are supplied. It has a 12 month warranty and extensive documentation. Fax board is available. Max paper size 210 x 355 mm. A 400 dpi version is also available, model MSF-400G, for \$7,905.

\$7,325

Mac Plus, SE, II  
Microtek Lab, Inc  
Image Systems

#### 1032 scanners

### Nikon LS-3500 Film Slide Scanner

A high performance 35mm slide scanner. Its resolution of 4096 x 6144 pixels is matched by accurate colour reproduction in 256 colour gradations (8-bits/colour, 24-bits/pixel). In comparisons with the original Barneyscan, tests show a superior range of contrast. It is also easy to use, with auto-focusing and self calibration.

POA

Nikon America  
Maxwell Optical

#### 1032 scanners

### Scanman

A multi-resolution, 100 to 400 dpi, hand-held scanner with a 4in window that quickly scans an image into the Macintosh screen. The image may be viewed in actual size, sized to fit the screen, resized, cropped, rotated, coloured, merged, flipped, zoomed, saved in several different formats, or printed. Easily installed, scans much faster than the serial port scanners, and enhances popular desktop publishing packages.

\$843

Logitech

MicroAustralia Computer Products Pty Ltd

#### 1032 scanners

### Sharp JX-300 Colour Scanner

A 300 dpi A4 flatbed colour scanner; comes bundled with PixelScan.

\$6,450

Sharp Electronics Corporation  
Sharp Corp of Australia Pty Ltd

#### 1032 scanners

### Sharp JX-450 Colour Scanner

A larger (A3) 450 dpi flatbed scanner capable of accurately scanning large colour images up to tabloid size. It has an optional mirror unit for scanning slides and transparencies. Bundled with PixelScan.

\$12,999

Sharp Electronics Corporation  
Sharp Corp of Australia Pty Ltd

#### 1032 scanners

### Silverscanner

A 24-bit flatbed scanner which scans colour images at 300 dpi. Software allows adjustment of the resolution from 50 to 600 dpi, displaying as many as 16.7 million colours and 16 or 256 shades of grey. Scans greyscale at 6.5 msec/line, and colour at 35 msec/line. Full function image control - halftoning, colour dropout, gamma correction and colour correction. Saves in PICT, EPS, TIFF formats.

\$2,945

LaCie Ltd

Reliable Australian Distributors Pty Ltd

#### 1032 scanners

### SpeedScanner

2.0

A complete scanning sub-system for logos and halftones. Compensation for dot gain, highlight and shadow compression, the mathematics of calculating screens, angles and resolutions are automatic. Features include image enhancements, deep etching, direct video input, image compression and output directly to PostScript typesetters.

II (c, i), x, fx

\$7,500

n/a

Pongrass Publishing

#### 1032 scanners

### ThunderScan II

Turns an ImageWriter into a digitising scanner. Remove the ribbon cartridge from your printer and place the ThunderScan scanning head in its place. Place any document, photograph or drawing in the printer and ThunderScan will scan it and produce a digitised image on the Mac screen. A complete document can be captured or a selected part. Brightness and contrast control



functions are provided. Images may then be saved in MacPaint format, or save the document in ThunderScan's own 32 gray scale format (ideal for retouching with Image Studio). Now includes Power Adaptor (THU001) for use on a Mac Plus, SE or II. Runs on any ImageWriter. ImageWriter II users require an additional cable from Apple. Mac Plus, SE, II \$495 ex tax  
ThunderWare Inc  
Techflow Pty Ltd

#### 1032 scanners

##### **Typist Personal Scanner**

A compact hand held scanner which inputs 500 words per minute direct into any application including WordPerfect, Microsoft Word, Lotus 1-2-3, Excel, dBase and FileMaker II. Automatically determines brightness setting, achieves 300 dpi resolution and recognises eleven European languages. Rollers prevent side-to-side movement, offers scan width of 125 mm (five inches) at 50mm (two inches) per second, separates graphics from text, automatically differentiates columns, scans images into PCX, TIFF and PICT, and horizontal or vertical scanning. Requires 4Mb RAM and hard disk.

Mac SE POA  
Caere Corporation  
Performance Sales

#### 1032 scanners

##### **Xerox Datacopy GS**

A 300 dpi flatbed scanner. Claimed to scan 20 seconds faster than most competitive scanners, also promises great accuracy. Includes MacImage software.

POA  
Xerox Corporation  
Image Systems

#### 1033 digitisers

##### **CalComp WIZ**

A precision, programmable graphics pad-cum-mouse. Features three mouse buttons with six settings, 1000 dpi resolution and crosshairs for positioning, along with templates for many applications including WordPerfect, PageMaker, FreeHand, Word, Excel, PowerPoint, MacDraw, MacWrite II, Quark XPress, Full Impact, FullWrite Professional, and Cricket Presents. Other features: creating custom templates, adjusting pad to screen aspect ratio, optional two button pen, mouse mat footprint.

Mac SE \$US249  
CalComp

Budde International Technologies Pty Ltd

#### 1033 digitisers

##### **GTCO Digitiser Series**

GTCO Digitisers come in a range of sizes from 17in x 24in to 42in x 60in. Connects to the Mac through an RS232 serial port or the ADB. A new range of ergonomic cursors and styli have been released. Includes Macintizer ADB (an electromagnetic digitising tablet which allows solid materials up to half an inch deep to be digitised), DIGI-PAD, Model 4260L. Price range: \$3,750 to \$8,430.

\$3,750 +

GTCO Corp  
TCG Systems Automation Pty Ltd



#### 1034 video/interactive

##### **Aapps DigiVideo and Micro TV**

A monochrome TV tuner on a NuBus card, offering frame-capture to the Clipboard. DigiVideo adds 24-bit colour capture. Permits viewing videotape, or having TV in the background while working on other applications. Uses include storyboards and video-conferencing. PAL-compatible, works with any 8-, 16- or 24-bit video card, and can be driven through HyperCard XCMDs.

II/II (c, i), x only \$650+  
Aaps Inc.  
Allaw Technologies

#### 1034 video/interactive

##### **AudioMedia**

1.0

A plug-in NuBus card for high quality digital audio recording and playback for all Mac IIs. Features audio inputs and output as well as a dedicated Digital Signal Processor. Stereo sound can be digitised at CD Audio rates (44.1-kHz, 16-bits per sample) and saved directly to hard disk as well as played from disk. Accompanying software like Sound Designer II (from the same company). Features many editing, filtering and playlist functions to make a complete direct-to-hard disk digital editing system. Files may be played back under control of MacroMind Director, HyperCard or SuperCard. Since the system is disk based, only 75K of RAM is used for any playback duration. The system may be extended to 4-track recording with an optional package, Deck.

II/II(c,i)x series only \$1,895  
Digidesign Inc  
Firmware Design

#### 1034 video/interactive

##### **Avid/1 Media Composer**

Mac-based professional-level video editing equipment. Complete Avid/1 systems include a Macintosh IIx as a throw-in accessory, and cost from \$US50,000 to \$US80,000, big savings compared with paying \$500-\$1000 per hour for film track sync and editing, on systems in the \$500,000+ range. Handles full motion colour video at 30 frames per second, together with two audio channels

## 1034 video/interactive

A miscellany of add-ons which help in the creation and production of video sequences and interactive presentations, and more commonly at this stage, capturing images from video for use in Macintosh artwork development. This includes frame-grabber boards, which instantly capture a single video image from any video recorder or video disk; format converters; digitisers which capture images at selected intervals; and devices which allow the Mac to export directly to a video recorder.

of 44-Khz/16-bit sampling for CD-quality sound. Great Mac interface, in realistic greyscale rather than the one-dimensional bitmaps.

POA

Avid Technology  
Firmware Design

#### 1034 video/interactive

##### **ColorSpace FX Board**

This board accepts PAL, SECAM and NTSC composite video inputs for full 24-bit digitising and display in realtime. It also acts as a triple input, two-dimensional digital video effects generator (2D DVE) with pan, zoom, mirror, and picture squeeze effects. It acts as a line rate converter to enable a 15,625-Hz line video to run at 35-KHz, 67 frames per second on an Apple monitor without flicker. It uses the ColorSpace III card as the graphics display card. Separate video and graphics memory planes it allows full speed operation of the host Macintosh even during full screen, full frame rate video display. Versions are also available for the Plus and Mac SE. Multiple video inputs for composite video and S-VHS/Hi8 can be selected and switched from a DA; genlocking assures synchronisation of Macintosh graphics with these signals, and Mac-created colour overlays may be run over background video (three colours only).

\$7,495

MASS Microsystems  
Firmware Design

#### 1034 video/interactive

##### **ColorSpace III**

3.0

Card allows Mac IIs to record Mac graphics to PAL video or overlay graphics on an external PAL video signal (genlocking). Enables Macs to overlay graphics and to record animations created with MacroMind Director. A digitiser DA allows the captures of images from any video source (such as a still video camera or camcorder) and saves such images to disk as monochrome, 8-bit or 24-bit stills. Video inputs and outputs are standard PAL composite video. The graphics format is 768 x 576 to ensure a full frame PAL display.

II/II(c,i,f)x series only \$4,995  
MASS Microsystems  
Firmware Design

# ***"DiskDoubler will Dramatically Double the Storage Capacity of any Hard Drive or Floppy Disk!"***

**—Guy Kawasaki, Macintosh Evangelist, at Singapore MacWorld Expo, 1990**

DiskDoubler is a remarkable new software program that increase the storage capability of any hard or floppy disk. You simply click on a file and select 'Compress' from the DiskDoubler menu on the Finder. Blindingly fast, DiskDoubler compresses your file by a factor of two, three or even four times.

Using a DiskDoubler compressed file is even simpler. Simply click on the file and it automatically decompresses and then launches normally.



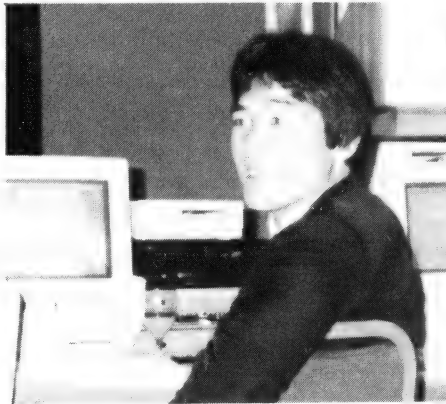
MacUser's toughest reviewer, Steve Bobker reported:

***"DiskDoubler's performance is outstanding."***

Bobker gave DiskDoubler an extremely high 4.5 mouse rating and pleaded for just one improvement—the ability to read StuffIt files.

Version 2.0 of DiskDoubler is now available and it automatically reads and decompresses both StuffIt and PackIt files. Easily and transpar-

ently. And that should make Mr Bobker and every DiskDoubler user quite happy.



***"The savings in time and space have to be experienced to be believed."***

Guy Kawasaki, special guest speaker at the Singapore MacWorld Expo held during June, 1990, gave an impressive demonstration of DiskDoubler before a audience of nearly 400 Macintosh devotees.

While demonstrating the program, Guy said,

***"DiskDoubler is brilliantly simple to use and install. You just move the DiskDoubler INIT into the System folder and re-start. Thereafter DiskDoubler appears on the Finder menu bar for use at any time. The savings in time and disk space have to be experienced to be believed. This program is a really elegant piece of software, and it's cool—cooler than ice!"***

Everyone needs DiskDoubler. It compresses files by an average of 50%. Many TIFF and other graphic files are reduced up to a staggering 98%. It's like getting another hard drive for a fraction of the cost.

In Silicon Valley, the home of the Macintosh, DiskDoubler has become a quiet legend in it's own right. It has become a best-selling product based entirely on recommendations from satisfied users.



***"DiskDoubler is elegant and cool—cooler than ice!"***

Buy DiskDoubler today and join the thousands of experienced Mac users who've discovered that there's no easier and more economical way to increase the performance of their disk drives.

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Palo Alto, CA 94306  
USA

**\$125**

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All prices, availability and specifications subject to errors or change without notice. Prices of new hardware and peripherals for the Macintosh™ include 15% sales tax. All sales are final. Please include \$10 (\$5 if value is less than \$100) for shipping and handling on software

trading as StatusGraph™. The registered office of Edcora Pty Ltd is 15 Cornwallis St., Redfern, NSW 2016, Australia.

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1034 video/interactive

### **ColourCapture 2.0**

Colour video graphics board and software for the Mac II. Applications include multimedia presentations, demonstrations and training, titling and subtitling, video post-production, animation, picture databases, slide-making, special effects, architectural and landscape modelling, newspaper, magazine and catalogue production, and electronic photography.

II/II(c,i)x series only \$6705

Data Translation Inc

TCG Systems Automation Pty Ltd

1034 video/interactive

### **DQ-Animaq**

A NuBus card acting as a complete animation controller for videographics. Operates with single frame accuracy for editing, digitising, rotoscoping and random access of video images, and it offers a software interface for MacroMind Director. The onboard RS-170A type sync generator, SMPTE/EBU timecode reader/generator and field detection circuitry provide the key features for professional desktop video animation.

II/II (c, i), x, fx \$US3,250+

Diaquest Inc

none/TBA

1034 video/interactive

### **MoonRaker**

Video digitising and special effects board for the Mac II range.

II/II (c, i), x only \$5,395

Workstation Technologies

Keyway Computers

1034 video/interactive

### **NuVista 4 Mb Video Input/Output Card**

Inputs and outputs RGB PAL video, contains high speed AD/DA converters and can be fitted with an optional 2-4Mb of video memory.

POA

Truevision Inc

Vision Control Australia Pty Ltd

1034 video/interactive

### **NuVista Memory Expansion**

Adds 2-, 4- or 8Mb RAM to any model in the NuVista series.

All Macs

POA

Truevision Inc

Vision Control Australia Pty Ltd

1034 video/interactive

### **Quick Image 24 1.0**

This plug-in card for any Mac II series computer will capture a frame of live video from a VCR, camcorder, video disk or any other device with standard PAL or NTSC composite video. A video camera may thus be used to capture images for desktop publishing, presentations or animations, eliminating the photographic process and the use of a scanner. The card allows the previewing of the incoming video signal with any standard Macintosh graphics card. Its fast capture mode makes it possible to work with live action video. A number of filter and conversion

functions are available to enhance the image obtained. Files are saved in PICT2 format. The card accepts composite video as well as S-Video, the format now becoming very popular with Super VHS and Hi8 tape formats.

II/II(c,i)x series only \$1,995

MASS Microsystems

Firmware Design

1034 video/interactive

### **QuickCapture**

Monochrome frame-grabber board and software series for capturing, processing and displaying video images on the Mac II. WIMP interface for image-processing operations. Numerous editing, enhancing, processing and image-analysing options available. Optional Colourkit software for 24-bit colour operation; and QuickCapture Developer's Kit software driver, for developing custom applications.

II/II(c,i)x series only \$2,899

Data Translation Inc

TCG Systems Automation Pty Ltd

1034 video/interactive

### **RSVP encoder/decoder 2.5**

A single NuBus card to be used with the RSVP or other cards such as the NuVista to provide commercial-quality composite video [Pal or NTSC versions] output (2.75-MHz) from the Mac. Decodes composite video signals into RGB, and encodes RGB signals into composite video for video recording. Provides recordable video output from the RSVP display screen, and allows the 256 colour desktop display to be keyed over a colour video signal; the keyed signal to be displayed on the RSVP controlled screen, the result to be video recorded at the same time. 24-bit frame capture in 1/5th of a second on the RSVP from any input composite video signal. Source code provided.

II/II(c,i)x series only up to \$2,000 ex

Graphics Unlimited

Oxford Systematics

1034 video/interactive

### **RSVP video card and frame-grabber**

A flexible Mac vision device. Plug it in a NuBus slot and it comes up as an ordinary 775 x 575 x 8-bit colour display. The output is a full professional overscanned PAL (or optionally NTSC) at 15.65-KHz, interlaced. Use any multisync monitor. Up to 4 composite video signals can be fed in and 256-greyscale images grabbed in realtime. Colour overlays onto realtime black and white digitised video, providing keying and genlock. Easy synchronisation to image intensifiers and ordinary domestic video recorders. 24-bit colour capture in 1/5th of a second from RGB cameras: frame sequence capture and replay at lower resolutions; hardware pan and zoom. Source code provided. Desktop publishing and video control DAs. Access to the TI 32c25 digital signal processor and frame-buffer.

II/II(c,i)x series only up to \$4,950 ex

Graphics Unlimited

Oxford Systematics

1034 video/interactive

### **Truevision VIDI/O Encoder/Decoder**

A standalone encoder/decoder designed to convert between composite video or S-VHS and RGB PAL video.

POA

Truevision Inc

Vision Control Australia Pty Ltd

1034 video/interactive

### **VideoLogic DVA-4000**

A custom-designed base adapter and digital feature adapter enabling interactive control of windowed, motion video in the desktop environment. Occupies a single slot on the NuBus; support both NTSC and PAL input; will ship with a dedicated 8-bit VideoLogic graphics card and M.I.C. System II software.

II/II (c, i), x only \$US2,295

Hitec Associates Ltd

none/TBA

1034 video/interactive

### **VideoShow**

A remote-controlled presentation device which stores material created on the Mac for presentations using a monitor, TV, or large screen projector. Create prints, overheads, 35mm slides, and video. Can combine images created on a Mac with those created on an IBM. Offers special effects such as fades, wipes, spirals and weaves. Three models available.

All Macs

POA

General Parametrics

Dimension Graphics

1034 video/interactive

### **VideoStack**

This HyperCard based tool kit allows a non-programmer to create interactive video disk presentations. Drivers for all popular video disk players are included. The tools allow anyone to browse through a video disk and create button to play back video sequences or display stills. A tool for the educator interested in using the extensive material now available on video disk for interactive presentations and learning material.

\$179

The Voyager Company

Firmware Design

1035 graphics hardware

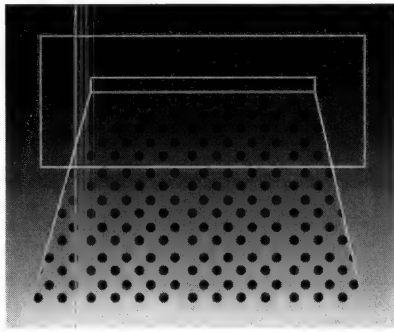
### **C-Cube CL550**

Video compression chip; a 24-bit colour imaging chip for the Mac, the first to implement the Joint Photographic Experts Group (JPEG) international standard for image compression. Substantially reduces the disk requirements of 32-bit QuickDraw, bringing the storage cost of colour down. The speed of conversion also permits full-motion animation and interactive video creation on the Mac. It offers very short transmission times for users who transfer large colour files via modem. The JPEG standard is being followed by MPEG (Moving Pictures Experts Group) which is a fully interactive video standard for CD-ROM and transmission.

POA

C-Cube Microsystems

Reptechnic



## 1040 output and print

Printing devices which do not readily fall into the straightforward categories of "laser" or "dot matrix printer". Some third-party printers will not run with Apple printer drivers, and those companies have had to create special printer drivers. The specialised printer drivers for third party printers are listed. Also, solutions for sharing print resources on large mixed networks may be included.

### 1035 graphics hardware

#### Radius Quick CAD Graphics Enhancements

A RISC-based graphics engine improves screen response up to 30 times by relieving the CPU and application software of graphics processing functions. Suits Radius Direct Color Display Systems and Apple Hi-Res Monitors. II/II (c, i), x only \$2,700  
Radius Inc  
Allaw Technologies

### 1035 graphics hardware

#### Radius QuickColor Graphics Accelerator

Accelerates common graphics functions such as window movement, text scrolling, fills and image displays, bypassing the Mac II processor. Operates on the System level, speeding current 32-bit QuickDraw applications without modification. Claims the ability to enhance Apple's 32-bit QuickDraw performance up to 600%. Takes advantage of Macintosh NuBus Block Transfer, reading and writing to the video RAM at up to 27Mb/second, seven times faster than the Mac CPU.

\$1,795

Radius Inc  
Allaw Technologies

### 1040 output and print

#### AlisaTalk - ADP - DEC printer support 3.8

Printer driver support, enabling Macs to use DEC PostScript printers (including models LN03-R and LPS-40).

\$1,350 +

Alisa Systems Inc  
Praxa Ltd

### 1040 output and print

#### Cricket Device Drivers

This collection supports various output devices for printing from other Cricket applications. Can be used to create hi-res output in both colour and black and white, on a wide variety of media. Output types include laser, inkjet and thermal printers; and film recorders, 35mm slides and film service bureaus. Provides Macs with Chooser-selectable output to non-PostScript devices. Cricket application POA  
Computer Associates International Solutions

### 1040 output and print

#### Lasermax Systems

A series of high-resolution laser printers and controllers which increase the resolution of any LaserWriter. The Lasermax 1000 is a plain paper typesetter featuring a complete printing system including printer, controller, cables, 35 typefaces, and 1,000 dpi output. The series of LaserMax MX controllers in 2-, 4- and 6Mb versions feature 400 or 800 dpi and fast print speeds from any LaserWriter II by replacing the processor board.

II/II (c, i), x only \$16,495+  
Lasermax Systems  
Mitsui Computers Ltd

### 1041 impact and thermal printer

#### Diconix M150 Plus

The Diconix M150 Plus is a portable inkjet printer. Small (27cm x 16cm) and light (1.5kg), so it can be carried in a briefcase. It prints using Adobe Type Manager, and supports graphics. Cables included.

All Macs \$1,199  
Kodak [Australia] Pty Ltd  
Verbatim Pty Ltd

### 1041 impact and thermal printer

#### Epson DFX-5000

A 136 column, 9 pin impact dot matrix printer which prints at 80 cps in NLQ and

533 cps in high speed draft mode. Users can now connect their computer to the Epson DFX-5000 by using the included Eplink interface. The Eplink interface allows the connection of Epson's entire range of impact dot matrix and inkjet printers to the Mac.

\$3,941

Epson Australia

MicroAustralia Computer Products Pty Ltd

### 1041 impact and thermal printer

#### Epson FX printers

9 pin impact dot matrix printers which print at 54 cps in NLQ and 290 cps in high speed draft mode. Users can now connect your computer to the Epson FX-1050 by using the included Eplink interface. The Eplink interface allows the connection of Epson's entire range of impact dot matrix and inkjet printers to the Mac. The FX-850 is 80 columns (\$1,209) and the FX-1050 is 136 columns (\$1,208). The LX-850 is also available, offering an 80 column printer which prints at 90 cps in NLQ and 200 cps in draft mode. (\$605)

\$1,029

Epson Australia

MicroAustralia Computer Products Pty Ltd

### 1041 impact and thermal printer

#### GCC WriteImpact

GCC's competitor for the ImageWriter. It prints 180 x 360 dots per inch from a 24-pin dot matrix mechanism, supports Adobe Type Manager, and is claimed to be ready for System 7.0, as we all are.

POA

GCC Technologies

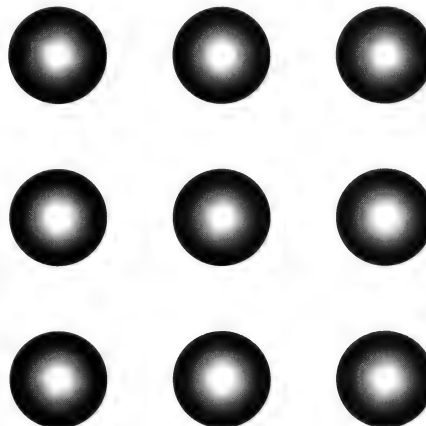
Next To Mac

### 1041 impact and thermal printer

#### HP DeskJet

A 24-pin dot matrix printer with a cut-sheet feeder as standard. The DeskJet is \$995, and the DeskJet Plus is \$1,395. Hewlett-Packard has extended its warranty period to three years.

All Macs \$995+  
Hewlett-Packard Co  
Hewlett-Packard Co



## 1041 impact and thermal printer

Comprises the dot-matrix printers, which sport high speed print-heads that push the ribbon against paper feeding through the printer. While offering less than the "presentation quality" output of laser printers, they are relatively low-cost printers good for use in the home or small office, or in situations where high quality output is not required. We also include the smaller thermal or inkjet printers in this class.



1041 impact and thermal printer

**HP DeskWriter**

A quiet 300 dpi QuickDraw thermal inkjet printer. Offers PostScript features such as scalable fonts, font rotation, and substitution, precision bitmap printing and document reduction or enlargement. Its four font families correspond to Helvetica, Times, Courier and Symbol (separate font families also available). Comes with AppleTalk. An upgrade for earlier DeskWriters is available. Can also be used with ATM to print PostScript fonts.

\$2,063

Hewlett-Packard Co  
Hewlett Packard Co

1041 impact and thermal printer

**ImageWriter II**

A 9in, 240 character per second dot-matrix serial printer which allows a high resolution image produced on the Mac screen to be transferred directly to hard copy using the Mac's graphics, fonts, sizes and styles. Continuous or single sheet feed can be used allowing use of plain paper or letterheads, mailing labels, and so on. Connects directly to the Mac and can print in three modes: Draft, Faster, and Best. Can print up to seven colours using appropriate colour ribbons and software such as MacPalette, it can also be shared by other Mac users with AppleTalk. Optional sheetfeeder and AppleTalk card (\$150) are also available.

\$895

Apple Computer Inc  
Apple Computer Australia Pty Ltd

1041 impact and thermal printer

**LabelWriter**

1.0

Seiko's small-footprint (100 x 160 mm) special purpose thermal printer. Creates labels for envelopes, folders, diskettes, cassettes, even barcodes with text, accessible within any application. Offers various fonts, size, style and positioning of the text on labels, plus custom default options. Features a frequent label database and inbuilt mail merge compatible with Microsoft Word and MacWrite. Connects to Mac through comms or printer port. Complete with DA software, cable, roll of 130 labels, plus power supply.

Mac Plus or higher \$450  
Seiko Instruments USA, Inc  
Try & Byte

1041 impact and thermal printer

**Seiko D-Scan QD-5504**

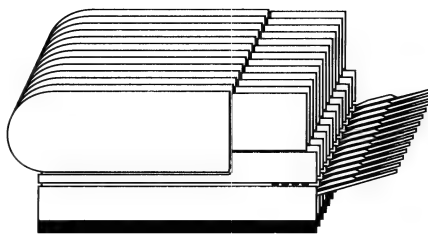
A thermal ink transfer printer which outputs to paper or overhead transparency film at 300 dpi. Based on Seiko's CH-5500 series, but includes a QuickDraw driver supporting 35 scalable outline fonts. Available in two sizes: 8.5in x 11in which includes 1Mb or 3 Mb RAM, and 11in x 17in. Features image size compatibility with LaserWriters, obviating repagination or reformatting.

Mac SE/30/ II \$8,590+  
Seiko Instruments USA, Inc  
TCG Systems Automation Pty Ltd

1041 impact and thermal printer

**WriteMove**

A 192 dpi portable printer, with 6 font families, based on the Kodak Diconix M150 Plus. Optional extras: a carrying



**1042 laser and colour printer**

High resolution printers (usually 300 dots per inch or more) used for high-quality documents. Connecting via AppleTalk, or in some cases, the SCSI data cable, they come in a variety of sizes, with different print speeds and varying abilities to print A5, A4 or A3

paper, envelopes, and labels. There are three formats to consider: QuickDraw, the Apple solution; industry-standard PostScript; or the Hewlett-Packard LaserJet-type. QuickDraw systems are cheaper, but a PostScript printer is the only option for many high-end drawing and desktop publishing applications. HP-compatible laser printers are good general office solutions for mixed platform environments, but do not support all of the Mac's font and graphics features.

case (\$58) and inkjet cartridges (\$29 each); paper (\$24 per roll); a printer stand (\$30); and version 1.3 of its software (\$80).

\$1,150

GCC Technologies  
Next To Mac

1042 laser and colour printer

**Business Laser Printer II/IIS**

The Business Laser Printer IIS is an enhanced version of the BLP II, rated at 8 ppm and a duty cycle of 300,000 pages. Expandable to 4Mb RAM (\$4,975). An upgrade kit takes the GCC Personal Laser Printer up to the performance level of the Business Laser Printer (BLP), for \$3,575. Upgrade kits are also available to bring the BLP up to the II or IIS performance level (\$2,085).

\$4,675

GCC Technologies  
Next To Mac

1042 laser and colour printer

**Dataproducts LZR 1260**

A 300 dpi laser printer boasting a 17-MHz 68020-based PostScript controller, 4 Mb of RAM, 35 resident Adobe fonts; 250-sheet cassettes available, 5 paper sizes, two extra paper bins and envelope feeder; and three interfaces (RS232, AppleTalk, Centronics). PostScript or HP LaserJet PLUS emulation. Supports 10 workstations on a network. It provides 12 page-per-minute throughput and a duty cycle rated at 25,000 pages per month.

\$12,950

Dataproducts Corporation  
Dataproducts Pty Ltd

1042 laser and colour printer

**Fujitsu RX7100PS**

A 300 dpi, 2-bin PostScript laser printer, rated at 5 ppm. Low maintenance, easy and clean toner cartridge replacement costing \$284 for 6,000 copies. AppleTalk, serial and parallel connections. HP LaserJet Plus emulation included.

\$4,995

Fujitsu Corporation  
Memory and Storage Technology Pty Ltd

1042 laser and colour printer

**HP LaserJet IID**

A quiet, high volume 300 dpi laser printer suitable for one or more users. Rated at 8

ppm. Features two paper bins, envelope feeder, two-sided page printing, 24 fonts, and software support including automatic font rotation.

\$11,373

Hewlett-Packard Co  
Hewlett-Packard Co

1042 laser and colour printer

**HP LaserJet III**

An 8 ppm 300 dpi PostScript/AppleTalk compatible laser printer. Features: Resolution Enhancement technology (eliminates jagged lines and edges, smooth curves, sharpens corners and intersections); built in scalable typefaces and 35 fonts; faster graphics printing with integrated HP-GL/2 vector graphics; PCL5 printer language with enhanced page formatting features; HP LaserJet Series II printer capability; PostScript cartridge, and Epson FX/IBM Proprinter personality cartridge.

All Macs \$7,728  
Hewlett-Packard Co  
Hewlett-Packard Co

1042 laser and colour printer

**HP LaserJet IIP**

A desktop-sized compact model 300 dpi laser printer rated at 4 ppm. Other features include: ability to print on cutsheet paper, labels, transparencies and envelopes; expandable functionality in the areas of paper handling, memory, printer language and font accessories; compatible with HP MasterType Library and compact enough to fit on the corner of your desk; 14 internal fonts.

All Macs \$6,198  
Hewlett-Packard Co  
Hewlett-Packard Co

1042 laser and colour printer

**HP PaintJet**

Produces colour graphics for overhead transparencies and (paper) reports and has near-letter quality, high-speed text. Produces text and graphics with 180 x 180 dpi resolution at a speed of 167 characters per second. This means a standard page of text in 40 seconds, and a page of colour graphics in 4 minutes. With the appropriate software and HP Color PrintKit, it will produce 16.7 million colours. The nozzles,

inks and electrical printing elements are housed in two disposable cartridges which print approximately 1.1 million characters, that is, 1,100 text or 180 pages of colour graphics.

All Macs \$3,080  
Hewlett-Packard Co  
Hewlett-Packard Co

*1042 laser and colour printer*

### HP PaintWriter XL 1.0

Creates colour graphics and text on paper and overhead transparencies. Features: 180 dpi inkjet technology; easy AppleTalk connection; support for 32-bit QuickDraw (up to 16.7 million colours, depending on your Macintosh and software); print speed of 90 seconds per page of colour graphics; up to 35 fonts available; automatic sheet feed of paper and transparency film, choice of media sizes. The printer driver is from Palomar Software, and offers background printing from many major Mac applications. 13 scalable typefaces from Compugraphic come as standard.

All Macs \$6,374  
Hewlett-Packard Co  
Hewlett-Packard Co

*1042 laser and colour printer*

### LaserWriter II NT

The direct upgrade equivalent to the LaserWriter Plus. The page language is PostScript, improved and optimised. The chip and memory are Motorola 68000, 1Mb ROM, 2 Mb RAM standard. There are 35 typefaces, the same as the LaserWriter Plus. The resolution is 300 dpi. Includes AppleTalk and RS232 interfaces for connection to MS-DOS computers.

\$7,395

Apple Computer Inc  
Apple Computer Australia Pty Ltd

*1042 laser and colour printer*

### LaserWriter II NTX

The high-end LaserWriter II, using a MC68020 controller (the Mac II chip), 1Mb ROM, 2Mb RAM expandable to 12Mb. Two to four times faster than LaserWriter. It has a single daughter card slot to enable third parties to supply additional fonts on a card. For improved storage of fonts, it has a SCSI connector for external hard disks. The page language is PostScript. Network printer.

\$9,495

Apple Computer Inc  
Apple Computer Australia Pty Ltd

*1042 laser and colour printer*

### NEC Silentwriter2 Model 90 Laser Printer

A 6 ppm, 300 dpi, networkable PostScript printer. Features include: 2Mb RAM expandable to 4Mb; Motorola 68000 chip; 35 resident scalable fonts; 13 HP LaserJet IIP emulation fonts; parallel, RS-232C serial, and AppleTalk/RS-422 interfaces; both Mac and DOS compatibility; WYSIWYG screen font, 250 sheet paper tray for paper, envelopes, and transparencies.

\$US2,495

NEC Information Systems Inc  
NEC Information Systems Aust Pty Ltd

*1042 laser and colour printer*

### Oce Graphics G5232 Colour PostScript Printer

A 3- or 4-colour plus black only thermal plastic printer offering a 80Mb hard drive, AppleTalk interface, 300 dpi, 32-bit QuickDraw support and PostScript. 35 resident fonts; A4 size paper and transparencies.

\$38,490

Oce Graphics  
Oce Australia Ltd

*1042 laser and colour printer*

### Personal Laser Printer II/IIS

GCC's Personal Laser Printer II, a 300 dpi printer driven by your Mac rather than its own on-board CPU. Rated at 4 ppm, with a duty cycle of 180,000 pages. Lacks networking capability, PostScript output and internal RAM, although it can be upgraded to 1Mb (upgrades: \$305). Software features envelope printing, address database DA, spooler, kerning controls, support for printing nearly edge to edge. Powers down to "sleep" state when not in use, ships with 6 Bitstream outline fonts, and supports ATM. Can be upgraded to the Business Laser Printer II. Additional paper trays (\$185), toner (\$59), EP magazines (\$600), and other accessories are also available. Version 2.31 of the PLP software is also available separately (\$80).

Personal Laser Printer IIS is also 300 dpi, rated at 8 ppm, with a duty cycle of 300,000 pages. Expandable to 2Mb RAM. The price of \$3,575 does not include Fonts Plus.

\$3,300

GCC Technologies  
Next To Mac

*1042 laser and colour printer*

### Personal LaserWriter NT

The newest of Apple's PostScript laser printers the Personal LaserWriter NT is a 300 dpi laser printer based on the Canon P-110 engine. It weighs less, and costs less, than the LaserWriter II but is half the speed.

\$4,995

Apple Computer Inc  
Apple Computer Australia Pty Ltd

*1042 laser and colour printer*

### Personal LaserWriter SC

Apple's QuickDraw version of the Personal LaserWriter. This 300 dpi laser printer is based on the Canon P-110 print engine, which is lighter, cheaper, and produces darker blacks than the SX engine used in the LaserWriter II range.

\$3,505

Apple Computer Inc  
Apple Computer Australia Pty Ltd

*1042 laser and colour printer*

### QMS ColorScript 100 Models 10 and 30

A 300 dpi colour thermal transfer colour PostScript printer based on the Mitsubishi G370 engine, featuring 4Mb RAM expandable to 8Mb, prints up to 1,200 per month, on letter-size paper, or film. Offers HP-GL emulation, PostScript, processing 4-colour hard copy simulations of Pantone

colours, AppleTalk, RS232C and Centronics parallel interfaces and SCSI port for external hard drive.

Model 30, at 1 ppm, comes with 8Mb RAM, 20Mb internal hard drive and ROM based HPGL, HP LaserJet & Diablo 630 emulation; cost: \$36,099.

Mac 512K \$18,279  
QMS Inc  
QMS Australia Pty Ltd

*1042 laser and colour printer*

### QMS PS410

A 4 ppm PostScript compatible and ESP 300 dpi printer, with 45 fonts, 2Mb RAM upgradable to 6Mb, supports Simultaneous Interfaces Operation, serial, parallel, and AppleTalk interfaces. Offers five paper sizes and optional second paper tray, ATM type rendering, and optional plug-in Adobe typefaces card and HP-compatible fonts cards. Will emulate HP LaserJet II and HP-GL via plug-in card.

All Macs \$6,303  
QMS Inc  
QMS Australia Pty Ltd

*1042 laser and colour printer*

### QMS PS810, PS1500, PS2200

The PS810 is a 300 dpi, 8 ppm PostScript laser printer. Also offers 2Mb RAM upgradable to 3Mb, 35 Adobe fonts, paper tray and manual feed, 15 ppm PostScript laser printer with AppleTalk, parallel and serial connections. ROM based HPGL, HP LaserJet and Diablo 630 emulation. The PS820 model additionally features a dual-bin paper feed, and multi-user and networking capabilities (\$13,687).

The PS 1500 is a similarly configured 15 ppm model, with 4Mb RAM, two paper trays, no manual feed, 35 Adobe fonts, SCSI port for external hard drive (\$18,050).

The PS 2200 is rated at 22 ppm, and prints A3 and A4 sizes (\$28,306).

All Macs \$9,162+  
QMS Inc  
QMS Australia Pty Ltd

*1042 laser and colour printer*

### Tektronix 46930X

Uses thermal wax transfer technology to provide laser-quality colour output on paper and overhead transparency film, making it ideal for presentation graphics and colour layout proofs. Features include 300 dpi, 16 million colours through on-board dithering, 4Mb expandable to 12Mb, TekColor screen-to-printer colour matching, QuickDraw driver, 11 font families, compatible with ATM.

II/II (c, i), x only \$US9,490  
Tektronix Inc  
Tektronix Australia Pty Limited

*1042 laser and colour printer*

### Tektronix ColorQuick

A 216 dpi colour printer featuring high speed SCSI interface, Chooser-level driver, 11 font families, 16.7 million colours with dithering, prints on plain or coated paper, and transparencies. Features a Chooser-level QuickDraw driver, 216 dpi resolution for high quality bit-mapped graphics, 11 font families, 16.7 million colours, and high-speed SCSI port.



Operates at 2 minutes per page, prints in four page sizes, on coated paper, transparency film and plain paper, and includes standard automatic sheet and roll feeders. Tractor feed also available. Compatible with ATM.

II family; SE/30 \$US2,495  
Tektronix Inc  
Tektronix Australia Pty Limited

#### 1042 laser and colour printer

### Tektronix Phaser CPS Colour Printer

Designed for AppleTalk network sharing, a fully-integrated colour PostScript inkjet printing system with local print spooling. Features 300 dpi, 8Mb RAM expandable to 11Mb, 40Mb hard disk, 35 built-in typefaces, supports downloadable fonts, handles paper and transparencies.

Mac Plus, SE \$US13,000  
Tektronix Inc  
Tektronix Australia Pty Limited

#### 1042 laser and colour printer

### Turbo PS Series

The Turbo PS/300 is a 300 x 300 Canon SX-based PostScript printer said to output pages three to six times faster than the Apple LaserWriter II NTX, and up to 15 times faster than other PostScript printers. Can be upgraded to PS/360 model 600 x 300 resolution.

The Turbo PS/400 offers 400 x 400 resolution as well as the same speed advantages of the PS/300. It is also upgradable, the PS/480 model offering 800 x 400 resolution.

In addition to supporting AppleTalk, all models offer standard HP LaserJet, HP 7475A Plotter and Epson LQ800 emulations, as well as optional SCSI and Centronics parallel interfaces for those in a DOS environment.

POA

NewGen Systems Corporation.  
Capricorn Computers

#### 1042 laser and colour printer

### Varityper VT600W

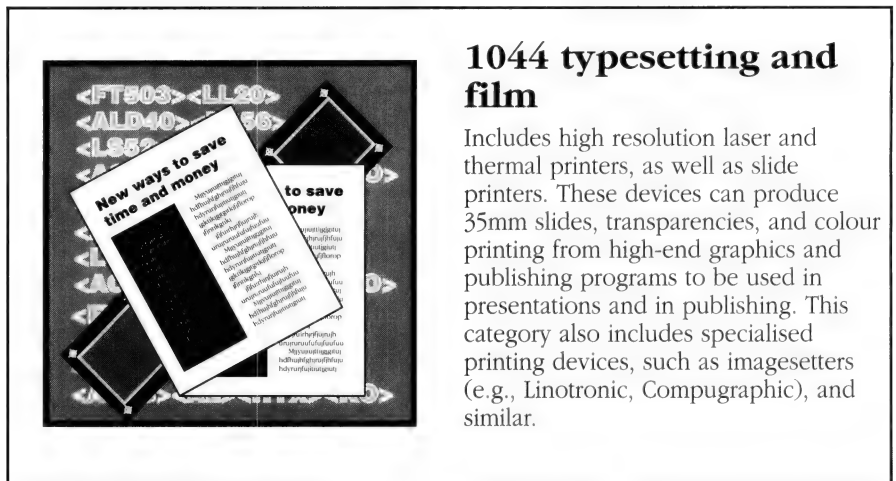
600 dpi PostScript laser printer with output sizes up to 11in x 17in on plain paper. The large output size makes it particularly suitable for CAD drawings, newspaper publishing and financial reports. AppleTalk interface, parallel and serial ports. Comes with 35 Adobe typefaces on a 20Mb hard disk. Microsetter II QuickDraw translator software available. Also available is the VT600 at \$29,500.

All Macs \$32,999  
Varityper  
AM International

#### 1042 laser and colour printer

### XL7700 Digital Continuous Tone Printer

Using a thermal dye technique to "spread" each dot to flow into adjacent ones, its resolution cannot be described by dpi. However the technique eliminates the stipple effect of laser and impact printers. Outputs in two sizes 8.5 by 11in, and 11in square. Particularly suited to output from still video cameras and other digital systems such as computer generated art



## 1044 typesetting and film

Includes high resolution laser and thermal printers, as well as slide printers. These devices can produce 35mm slides, transparencies, and colour printing from high-end graphics and publishing programs to be used in presentations and in publishing. This category also includes specialised printing devices, such as imagesetters (e.g., Linotronic, Compugraphic), and similar.

because its printing method masks the artefacts of the digital information such as the "jaggies". SCSI connection to a Mac.

POA

Lindo Systems  
Kodak [Australia] Pty Ltd

#### 1043 plotters

### CalComp PlotMaster Colour Printer

A thermal transfer desktop plotter/printer which produces 200 dpi high-resolution graphics. Features one minute per colour page, seven solid colours, built-in rasteriser, 1.5Mb RAM, image rotation, paper and transparency output, and auto sheet feeder.

All Macs \$US5,595  
CalComp  
Budde International Technologies Pty Ltd

#### 1043 plotters

### HP ColorPro/7440A Plotters

Designed for high quality colour graphics. Utilises an 8-pen carousel for plotting on A4 paper, also overhead transparencies and glossy paper. Has an addressable step size of 0.025mm and five inbuilt character sets. Model HP 7550A handles A3 sized paper, vellum, transparencies, etc. It can also plot 400 points in one centimetre line, and offers 20 different character sets, including many European types.

\$1,895+

Hewlett-Packard Co  
Hewlett-Packard

#### 1043 plotters

### JDL OmniPlotter

A pen-less, low cost A4-A1 size plotter for CAD users, offering resolutions up to 360 x 360 dpi, with a choice of 20 colours. An optional SCSI interface speeds up printing from the Macintosh version.

\$14,500+

n/a  
TCG Systems Automation Pty Ltd

#### 1044 typesetting and film

### Agfa Matrix ProColor Film Recorder

A low cost desktop film recorder with a throughput of 8 to 10 slides per hour. It creates 35mm or 75mm by 100mm Polaroid prints in minutes, and supports a

wide variety of fonts, special effects, and a full colour spectrum.

All Macs POA  
Agfa  
TCG Systems Automation Pty Ltd

#### 1044 typesetting and film

### Agfa Matrix RIP

A high-powered, dedicated RIP that performs vector-to-raster translation for output onto MATRIX colour film recorders. The same files used to create slides can be sent to any other PostScript output device. Files created for output to a 300 dpi laser printer or 1200 dpi imagesetter can be output onto colour film at 2K or 4K addressability. The RIP redraws the image to the aspect ratio of the film. Permits networking via AppleTalk connector. Provides 256 shades of grey, WYSIWYG colour matching between screen and film; fonts based on Bezier curves. Output depends on MATRIX film recorder used.

\$28,000

Agfa  
Minicomp

#### 1044 typesetting and film

### Compugraphic Series Typesetters

A series of professional level, high resolution (2400 dpi) digital imagesetters. The 9400-PS, 9600-PS, 9700-PS and 9800-PS all have a full PostScript RIP. Can be driven by Mac front-ends and standard applications like PageMaker and XPress. Series graded by levels of power.

POA

Compugraphic Corp  
Seligson & Clare

#### 1044 typesetting and film

### Du Pont 4CAST

This digital colour imager offers interfacing with Mac, with Unix-based workstations and Scitex pre-press systems, and more. It is the first digital colour device to employ dye thermal sublimation transfer technology to produce high quality continuous tone colour hard copy output. This means exceptional typesetting quality directly from a Mac, bypassing the film stage altogether.

POA

Du Pont Electronics  
Du Pont Australia

# MACWORLD

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#### 1044 typesetting and film

##### **Emerald**

A souped-up PostScript Rasterized Image Processor (RIP) that uses a MIPS RS3000 RISC chip and a SCSI port for improving the printing speed. Adobe is looking to SCSI's 5Mb/sec data transfer rate to help speed data transfer to Emerald, needed especially for transferring colour images.

POA

Adobe Systems Inc  
InfoMagic Pty Ltd

#### 1044 typesetting and film

##### **Lasergraphics LFR Plus Film Recorder**

A 35mm slide maker featuring 33-bit colour and support for five different film formats including bulk film for shooting up to 800 pin-registered slides without intervention. Offers unusual number of 11 bits of colour per pixel, and alternate cameras for larger slides — 4 x 5 and 8 x 10. For output of PostScript images, the LFR Plus will work with Freedom of the Press. AppleTalk compatible, can be shared as a network resource.

All Macs  
Lasergraphics Inc  
Dimension Graphics

POA

#### 1044 typesetting and film

##### **Linotronic 200P Imagesetter**

Two models available: Model A has a 1270 dpi resolution and 20Mb hard disk capable of storing over 150 PostScript fonts; Model B features 1700 dpi and an 80Mb hard disk.

The new 200SQ replaces the P-series. Improvements include an integrated Saturn Plus PostScript RIP, improved accuracy for halftones at screen rulings up to 133 lines per inch.

\$60,000 + 180,000

Linotype Corporation  
Delairco

#### 1044 typesetting and film

##### **Linotype RIP 4**

A very fast PostScript Raster Image Processor, claimed to be over 60% faster than RIP 3. First Linotype RIP which can increase the speed of the Linotronic imagesetters, effectively doubling the output device's recording speed. Also incorporated in the new Linotronic 200SQ Imagesetter.

POA

Linotype Corporation  
Delairco

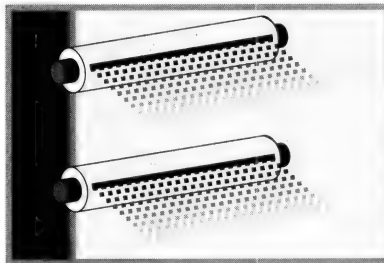
#### 1044 typesetting and film

##### **Mirus Image-MAC**

A hi-res, 32-bit colour QuickDraw film recorder. Comes with the family of LaserWriter Plus fonts, and a Chooser-level driver to create automated desktop photography. Full-frame 35mm slides can be shot with any page size directly from the application being used at the time.

\$13,495

Mirus Corporation  
Mitsui Computers Ltd



## 1045 printer accessories

This is a catch-all category for printer add-ons consisting of adapters, sheetfeeders, connectors, and recycled laser printer toner cartridges. Most of these products are designed to make the use of printers easier, more versatile than originally designed, or faster.

#### 1044 typesetting and film

##### **Montage FR1 Film Recorder**

Interfacing to the Mac via the SCSI port, the MR1 rapidly generates 35mm presentation slides on standard, instant slide film and print film. Accesses up to 16.7 million colours, with 4,000 line resolution and good colour and image clarity when viewed at midrange. Features a built-in, auto-loading camera with auto-advance and power rewind, and can synchronise the camera lens, filter and CRT operation to obtain proper focus and registration. Includes cables, graphics interface board, user's guide. Supports most graphics and presentation software and three fonts included and another 10 available.

All Macs  
Presentation Technologies Inc  
InfoMagic Pty Ltd

\$13,998

#### 1044 typesetting and film

##### **Series 4000 Imagesetter**

A hi-res PostScript imagesetter capable of imaging finished artwork onto either film or R.C. paper. Resolutions are configuration-dependent, ranging from 900 dpi through 1200, 1800, 2400 to 3048 dpi. Has consistent repeatability, and is capable of producing 4-colour separations.

Range

Vari typer  
AM International

#### 1044 typesetting and film

##### **SpeedSetters**

For Mac (or PCs), a high resolution laser raster imager with sizes from 72 picas to 108 picas, and resolutions from 400 dpi to 2400 dpi on silver halide film, bromide paper and even direct paper plates that use standard RC processing. Models include SS72, SS94, SS108s, Pelbox 3000.

\$45,000 +

n/a  
Pongrass Publishing

#### 1045 printer accessories

##### **BLP II or IIS 2Mb RAM Upgrade**

RAM upgrades for the GCC Business Laser Printer, to permit the installation of extra fonts, etc. The BLP accepts a total of 4Mb.

\$665

GCC Technologies  
Next To Mac

#### 1045 printer accessories

##### **BLP II or IIS HP Emulation Kit**

A Hewlett-Packard emulation kit for the GCC Business Laser Printer.

\$310

GCC Technologies  
Next To Mac

#### 1045 printer accessories

##### **BLP II or IIS PC Accessories Kit**

An accessories kit for connecting the GCC Business Laser Printer to RS-232C compatible machines. (Centronics & RS232 ports.)

\$310

GCC Technologies  
Next To Mac

#### 1045 printer accessories

##### **EPLINK Printer Interface**

A Mac-connection for Epson printers. The cable converts the data from serial to parallel signals. Two cables are available: the EPLINK 9 for LX, FX, EX, and DFX series of 9-pin printers; and the EPLINK 24, for 24- and 48-pin and inkjet printers.

All Macs  
Epson Australia  
Epson Australia

\$225+

#### 1045 printer accessories

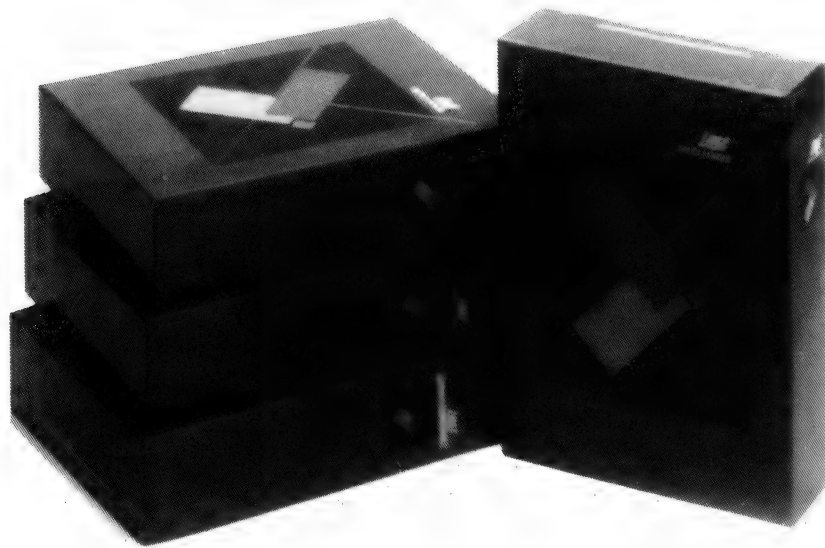
##### **Grappler Mac Printer Interfaces**

Grappler Universal Mac Parallel Printer Interface (Standard 9-pin printer); Grappler Universal Mac Parallel Printer Interface (24-pin and HP-style laser printers). These allow 9-pin dot matrix (Grappler C/Mac/GS), or 24-pin dot matrix and HP-compatible laser (Grappler LQ) printers to hook up to the Mac, and Apple IIc/IIgs. Transparent interface converts ImageWriter II codes to the code required by your parallel printer (e.g., Epson). No special drivers to install or new menus to be set. Features built-in serial to parallel conversion, ImageWriter II or ImageWriter LQ and HP laser emulation, allows colour printing for many colour printers, and easy DIP switch selection to match the printer selection.

All Macs  
Orange Micro Inc  
Keyway Computers

\$170 +

# The Accounting Package That's Built To Last



When you choose an accounting program you can't afford to make a mistake. Your financial records are too precious to entrust to a system that is here today and gone tomorrow.

Last Accounting is an application which was designed specifically for the Apple Macintosh, and has been proven by thousands of users worldwide. Hundreds of Australian businesses rely on Last, from small businesses to large

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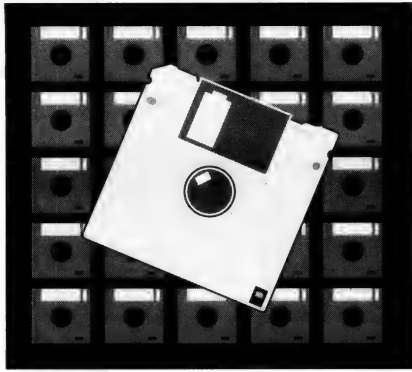
Whether you need invoicing, debtors, creditors, stock control, general ledger or payroll, Last can handle them all. That makes Last the ideal program for any size business which requires clear, concise financial reporting and solid, reliable record-keeping.

So, for the the most dependable solution to your accounting problems, look at Last... *First.*

**For information about Last Accounting, call (03) 894 1177, or in NSW or ACT (02) 955 3611**

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## 1050 storage devices

Data storage devices not otherwise specified, for example Solid-state "disks" using RAM memory, or untraditional means of storage.

### 1045 printer accessories

#### IceCable

The IceCable allows any Epson compatible 9-or 24-pin parallel printer to become an ImageWriter. The 9-pin printers behave exactly like the ImageWriter II, while 24-pin printers mimic the LQ. The cable incorporates a DIP-switch configurable box, powered through the printer cable by the printer, that performs all the conversion.

All Macs and Epson compatible printer \$130  
Automatic Ice Co.  
Micro-Educational Pty Ltd

### 1045 printer accessories

#### ImageWriter II Sheetfeeder

A sheet feeder for the ImageWriter II dot-matrix printer providing automatic single sheet feeding capabilities.

\$345

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1045 printer accessories

#### Toner Express

Recharges laser printer toner cartridges. Requires used cartridge and fuser rod from used cartridge, preferably in original packaging. Price includes two-way courier service.

\$99

n/a  
Learnware

### 1045 printer accessories

#### Zytech Mac ImageWriter II Cable

An alternative to expensive cables. Guaranteed performance standard.

Mac Plus, SE \$19  
n/a  
Zytech

### 1050 storage devices

#### PLI RAM Drive

A drive with 0.05ms access time. As PLI says it is "Not 500% faster, 500 times faster." And a deal more expensive. Does not provide long term storage with the Mac turned off; and if power fails, you lose what's in there at the time. It is intended to be used only as operational storage, with applications and files loaded in as you work with them. Requires no

formatting, and obviously fragmentation is not a problem, so it is always fast. In sizes from 8Mb to 160Mb, in the same box as the PLI Removable hard disk. Contains banks of fast RAM chips, controlled by a dedicated 68020 processor.

POA

Peripheral Land Inc  
Mitsui Computers Ltd

### 1051 floppy and removable

#### A-Tosh

800K floppy drive for Mac Plus and SE. Low power, quiet, with 1-year warranty. Not suitable for 020 or 030 Macs. \$299  
n/a  
Memory and Storage Technology Pty Ltd

### 1051 floppy and removable

#### ACA MRD40

A 44Mb removable hard disk based on Syquest technology. An extra cartridge for the MRD40 is the RC40. \$299  
Mac Plus, SE, SE/30, II, IIX, IICX POA  
n/a  
ACA Pacific Pty Ltd

### 1051 floppy and removable

#### Apple FDHD Drive

Also called the SuperDrive, it is capable of reading and writing MS-DOS, ProDOS and Macintosh disks. Both 720 K and 1.44Mb MS-DOS disks may be inserted directly into the drive and used by the Apple File Exchange. Standard Mac 400K and 800K disks work as normal in the drive. However, to format a disk to the 1.44Mb standard requires HD disks. It is also available for the SE and Mac II. The price of \$695 is for the external version. To put one on a Mac II requires a ROM swap at a total price of \$1,050 for the ROMs and an internal drive, an SE requires upgrading to an SE/30 before fitting the drive.

\$695

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1051 floppy and removable

#### Apple PC 5.25in Drive

For Mac SE and Mac II users who want to use data created in MS-DOS format. Reads and writes files back and forth between 360K DOS disks and Mac. In conjunction with an MS-DOS co-

processor card, you can even run DOS applications on your Mac. This drive requires the Mac SE PC Drive Card or the Mac II PC Drive Card to operate.

Mac SE, Mac II \$495 plus \$245 for the card  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1051 floppy and removable

#### DaynaFile

360K, 1.2Mb 5.25in; and 720K, 1.4Mb 3.5in floppy drives. A SCSI-based 5.25in external "smart" disk drive that allows Macs to read and write data files directly from an IBM PC-compatible disk. IBM files can be accessed and used as though originally created on a Mac desktop, and Mac files can also be stored. Incorporates a Finder-level interface so you can open a file or sub directory by clicking the mouse. Optional file translation software (DAY-999) provides automatic conversion of file format and contents from one application to another. Units can be configured with one or two IBM-style disk drives in any combination. Also useful for converting files from one IBM format to another (e.g., 360K drive to 1.2Mb/AT drive).

\$Various

Dayna Communications Inc  
NetComm [Australia] Pty Ltd

### 1051 floppy and removable

#### Deluxe Option Board

5.4

Turns an IBM internal 3.5in drive into a dual format IBM/Mac drive. To transfer data from a PC format to a MAC format, simply insert a diskette into the PC's 3.5in drive, format it as a Macintosh disk, and copy a file to it. The same disk can then be inserted into a Mac to be read or copied. The reverse procedure is also true. An easy, inexpensive way to transfer data between PCs and Macs.

IBM PC/XT or AT or compatible \$290  
with an internal 3.5in drive.  
Halldale Technologies

### 1051 floppy and removable

#### DOS Mounter

1.1

A software product that allows a Macintosh to send, maintain, and save 3.5in disks from an IBM PC or compatible computer. It works by "mounting" the DOS disk just like any floppy inserted into the Apple SuperDrive so that files can be transferred easily.

SuperDrive \$252  
Dayna Communications Inc  
NetComm [Australia] Pty Ltd

### 1051 floppy and removable

#### Drive 2.4 with Fastback

A 3.5in serial floppy disk drive which permits users to format disks to 2.4Mb (quad density) and 1.2Mb (double density); primarily for backup purposes.

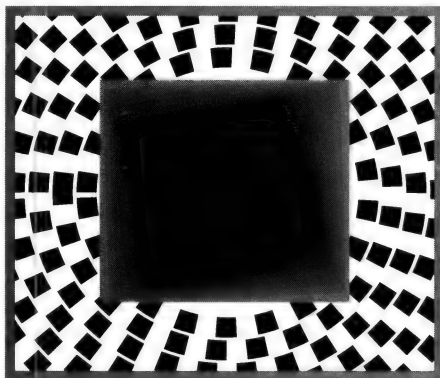
\$771

Kennect Technology  
MicroAustralia Computer Products Pty Ltd

### 1051 floppy and removable

#### Macintosh PC Drive Card

For Mac SE and Mac II users who want to use data created in MS-DOS format. Reads and writes files back and forth between 360K



## 1052 magnetic mass storage

As distinct from removable data storage devices, these are internal and external hard disks in permanent casings. They can store large amounts of information, ranging in capacity from 20Mb (over 25 double-sided floppy disks' worth) to more than 2 gigabytes of data. Internal hard disks are priced less than equivalent external hard disks, but the price of dealer installation usually is not included.

DOS disks and the Mac. In conjunction with an MS-DOS co-processor card, you can even run DOS applications on your Mac. This drive requires the Mac SE PC Drive Card or the Mac II PC Drive Card to operate.

\$240

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1051 floppy and removable

#### MassMicro DataPak

Winchester-style 45Mb removable cartridge drive. Average Access time: 25ms. MTBF 25,000 POH. MTTR 30min. Precision push-button ID switches. Optional internal or external SCSI termination. Zero footprint, design fits under all Macs except Mac II. Offers self-diagnostics, automatic park and lock heads. Password protection and volume partitioning are also standard with the PadLock software utility packaged with every MassMicro drive. With its 8K buffer it is also able to adapt itself to any Macintosh model while keeping its 1:1 interleave performance. Available in three configurations: single drive, dual drive and combination HD DataPak. Warranty: 12 months. Extra Datacart 45Mb removable cartridges \$251.

Mac 512K \$2,519  
MASS Microsystems  
Hexon Communications Pty Ltd

### 1051 floppy and removable

#### MassMicro DataPak II/IIcx

45Mb removable cartridge drives, with the same configuration and options as the DataPak but matching the footprint of the Mac II and IIx. The DataPak IIcx is a low profile unit which matches the Mac IIcx/ci footprint. One year warranty on all components. Available in single drive or dual configurations.

Mac 512K \$2,668+  
MASS Microsystems  
Hexon Communications Pty Ltd

### 1051 floppy and removable

#### MAST Removable

A 44Mb removable hard disk based on Syquest technology. Any Mac with a SCSI port \$1,449  
Syquest

Memory and Storage Technology Pty Ltd

### 1051 floppy and removable

#### MatchMaker

Half-sized IBM PC card which connects to a Mac External 3.5in drive; it transfers files in both directions. Supports both Mac 400K and 800K floppy drives, and can initialise and edit Mac disks under MS-DOS.

IBM PC 8-bit slot \$399  
MicroSolutions  
Oxford Systematics

### 1051 floppy and removable

#### PLI Infinity 40 Turbo/Dual

Removable 44Mb Winchester-style external disk drive based on Syquest technology. Includes one cartridge and all cables; SCSI I/F for direct connect to Mac; TurboCache and four other software packages bundled; near zero access time; MS-DOS compatible. It can be either zero footprint under the Mac or vertically mounted. The PLI Dual Infinity contains two Infinity 40 Turbo drives in one external unit; two removable cartridges and all cables; software as for Infinity 40 Turbo: (\$4,995).

Mac Plus, SE, SE/30, II, IIx, IIcx \$2,795  
Peripheral Land Inc  
Mitsui Computers Ltd

### 1051 floppy and removable

#### Rapport

A plug-in device for the external drive port of the Mac, which increases the floppy disk capacity to 1.2Mb. Allows the Mac to read MS DOS disks, analyse and graph all files directly, without cables and complicated protocols.

\$448  
Kennect Technology  
MicroAustralia Computer Products Pty Ltd

### 1051 floppy and removable

#### Syquest 44Mb Removable Drive

44Mb removable hard drives with 25ms access time. Syquest cartridges priced \$195, with even greater discounts for bulk purchases. Cleaning cartridge is \$41.

Mac Plus, SE \$1,299  
Syquest  
Zytech

### 1051 floppy and removable

#### Syquest 44Mb Removable Drive

A zero footprint, 44Mb removable cartridge drive. Includes formatting software, cables and one cartridge.

All Macs \$2,100  
Syquest  
Allaw Technologies

### 1051 floppy and removable

#### Zytech 800K External Floppy Drive

External floppy drive. One-year warranty. Mac 128 \$355  
Zytech  
Zytech

### 1052 magnetic mass storage

#### Apple SCSI HD20/40/80/160

20Mb, 40Mb, 80Mb and 160Mb external and internal SCSI hard disks. The data transfer rate of the HD/20 is 7.5 MHz, with an average seek time of 85ms. That unit is 78.5mm in height by 246mm in width, and weighs 3kg; the external model offers zero footprint for all SE-class Macs. Expect speed improvements and other performance enhancements with the larger capacity drives. Suits the Plus or up. Prices range from \$1,645 (HD20) to \$4,695 (HD160).

\$1,645 - 4,695

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1052 magnetic mass storage

#### Apple Tape 40SC

External streaming tape unit that allows 40Mb of data to be backed up onto each tape.

\$1,995

Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1052 magnetic mass storage

#### Archive MaxStream Tape Drives

Choice of either 60Mb or 150Mb tape drive. Cartridges are \$70 and \$90 respectively. Comes complete with cables, software, 12 months warranty and one tape cartridge. High capacity tape backup units range from 150Mb to 1.3-gigabytes (\$2,400+).

All Macs \$3,813  
n/a  
Allaw Technologies

### 1052 magnetic mass storage

#### DataFrame 20

A 20Mb SCSI compatible external hard drive. Includes utility and disk management software.

\$1,286

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

### 1052 magnetic mass storage

#### DataFrame XP drive series

The SuperMac XP DataFrame 100 and 100i (Internal) have access times of 19 milliseconds and a data transfer rate of 2Mb per second. Each drive includes utility and disk management software. External and removable drives can be fitted to any Macintosh equipped with a SCSI Port. Also available as an internal



## 1053 optical storage

Optical storage is another mass storage medium, consisting of CD-ROM, WORM (Write Once, Read Many) and optical-erasable drives. The CD-ROM drives are Read-Only drives, providing up to 650Mb of information per disk; you cannot change data imprinted on the disks. WORM drives allow you to write large amounts of information to the disk, but only once. Thereafter, information stored on the disk can be read as often as needed. Optical-erasable disks, which allow you to read and write to disk as much as you like, are slower than magnetic media, but

### 1053 optical storage

#### Sony Magneto-Optical Erasable Drive

A read/write optical drive offering write speed in excess of 4Mb/min. Capacity of over 250Mb per side, suitable for network backup and archives. Spare cartridges available.

All Macs \$10,000 +  
Sony  
Allway Technologies

### 1053 optical storage

#### Toshiba CD-ROM

XM-3201 A1 CD-ROM player. Fast, professional unit.

Any Mac with SCSI port \$1,399  
Toshiba  
Memory and Storage Technology Pty Ltd

### 1061 analogue to digital

#### GPIB-Mac

Programmed I/O interface which gives the Macintosh (using the serial port) an IEEE-488 interface to control and communicate with peripherals and other computers over a network with the IEEE-488 bus or GPIB instruments.

\$1,151  
National Instruments  
Elmeasco Instruments Pty Ltd

### 1061 analogue to digital

#### GPIB-SE

IEEE-488 expansion for the Mac SE. Options are either an 8-MHz 68440 DMA controller, or a 12-MHz 68881 math coprocessor. Implements talker, listener, serial and parallel poll, service request, remote programming functions, supports LabVIEW.

\$1,149  
National Instruments  
Elmeasco Instruments Pty Ltd

### 1062 barcode system

#### LendIt

1.12

Software/hardware barcode solution for tracking and recording assets, tools, etc, on loan to individual users.

Mac SE \$2,800  
n/a  
TimeMaker

### 1053 optical storage

#### Apple CD SC CD-ROM

A 550Mb CD-ROM drive offering 400-500ms access time. Features a 64K RAM buffer, and support for the AppleShare file server. Also features an audio chip set for playing off-the-shelf audio CDs.

\$1,995  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 1053 optical storage

#### MACsetra Genesis 6000

A 600 Mb read/write optical data storage system. Internal and external optical drives. A Ricoh-based drive. Cartridge: \$600.

\$9,380  
MACsetra Technologies International  
Capricorn Computers

### 1053 optical storage

#### MagicDrive Optical Disk Drive

Formats to 286Mb; a Ricoh engine. All Macs POA  
MacProducts USA  
Reliable Australian Distributors Pty Ltd

### 1053 optical storage

#### MassMicro OptiPak

A high-speed random access rewritable magneto optical storage subsystem, featuring 3,000 rotations per minute, built-in 64K data cache, average access time of 80ms. Uses OptiCart removable disks capable of 512Mb of data storage when formatted. All drives shipped with one OptiCart removable disk cartridge, SCSI peripheral and power cables, OptiPak system disk, and user guide and manual. One year warranty on all components. The OptiCart disks are \$542 each.

\$7,695  
MASS Microsystems  
Hexon Communications Pty Ltd

### 1053 optical storage

#### Next to Mac 650Mb Drive

An optical-erasable removable hard disk based on Sony technology, featuring a seek-time of 95ms. Removable cartridges (325Mb per side) are available for \$660.

\$8,200  
Yano Electric Co Ltd  
Next To Mac

### 1053 optical storage

#### PLI CD-ROM

Standard CD-ROM read-only optical drive. Claims a 350ms access speed, which is identical to the Chinon drive.

POA  
Peripheral Land Inc  
Mitsui Computers Ltd

### 1053 optical storage

#### PLI Infinity Optical Disk Drive

A Sony optical drive engine. Cartridge: \$695.

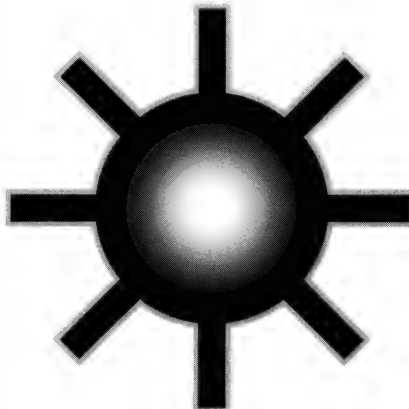
\$10,285  
Peripheral Land Inc  
Mitsui Computers Ltd

### 1053 optical storage

#### Relax Technology Optical Plus

A Ricoh RO-5030E II engine which is the new version of the Ricoh mechanism. It provides compatibility with the Sony drive by reading and writing to Sony formatted disks. The previous Ricoh engine could not read Sony disks.

\$9,206  
Relax Technology  
Advanced Peripherals



## 1060 specialised applications

Specialised applications not otherwise specified.



**TrackIt****1.1**

Software/hardware barcode solution for recording capital expenditure assets and audit via a portable barcode reader.

Mac SE \$3,680  
n/a  
TimeMaker

## 1062 barcode system

**Videx PhraseMaker**

Allows the TimeWand barcode scanner to be used by Mac applications. By-passes the keyboard, cross-references the barcoded data from the TimeWand to listings of text, menu commands, cursor movements, mouse clicks. Operates similarly to a macro. (Includes Barcode 3 of 9 Fonts for ImageWriter and LaserWriter II.)

POA

Videx, Inc  
Videx

## 1062 barcode system

**Videx TimeWand II**

Enhanced model of the pocket-sized TimeWand barcode reader, featuring a two-line, 32-character LCD display, a 19-button user-programmable keypad, built-in RS232 port, Intel 80C51 8-bit microprocessor, customising of date format, sound, and 8 characters. Comes with comms software written as a HyperCard Stack featuring display of cross-referenced barcode information and data entry guidance. 32K, 64K and 128K memory versions available. Other symbologies available. Download to Mac via a DA (uses PhraseMaker or TimeWand Manager Software). Cross-references and places into columns information organised for different levels of input. Supports sorting, movement of columns up, delete first character, counting, adding, calculations, search and select by criteria, displays time bars, prints reports, etc. Allows macro operation. Several sample applications supplied. (Includes Barcode 3 of 9 Fonts for ImageWriter and LaserWriter II.)

All Macs POA  
Videx, Inc  
Videx

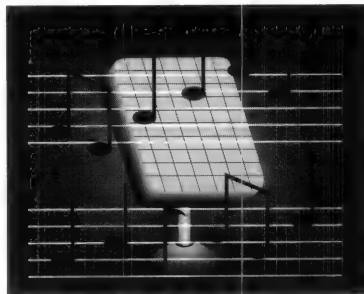
## 1064 instrumentation

**LabVIEW****2**

Icon-based graphical programming system that simplifies engineering and scientific programming on the Mac. It creates virtual instruments. The new version compiles block diagram programs into machine code. This results in a dramatic speed improvement, in the order of 10 times over previous versions. New editing enhancements include Clipboard cut and paste, dragging objects between windows, multiple object selection, and diagram rubber-banding. Supports colour, National Instruments' plug-in IEEE-488 and data acquisition boards, external RS232 devices, and more than 150 instruments by using drivers the company offers free of charge. The software requires a Macintosh with System 6.0.3 or later, 4Mb of RAM, and a hard disk.

\$3,623

National Instruments  
Elmeasco Instruments Pty Ltd

**1070 audio**

That which is used to record, sample, play and generate music, speech and sound. This category includes tools that work with MIDI devices, electronic keyboards, synthesisers, CD storage, and the new breed of digital signal processors. We do not distinguish between hardware and software for this category.

## 1070 audio

**Deck**

Provides 4-track digital audio recording which can be missed and played back with Director, HyperCard or SuperCard. Offers programmable digital effects; 16-bit, 44.1-kHz sound; unlimited full-fidelity track bounce; MIDI file playback; Parametric EQ; auto mixdown.

II/II (c, i), x only POA  
Digidesign Inc  
Firmware Design

## 1070 audio

**Farallon Sound Tool Kit**

Allows developers to build recording using Farallon's MacRecorder, compression, decompression and playback of sounds into their applications.

POA

Farallon Computing  
NetComm [Australia] Pty Ltd

## 1070 audio

**National Instruments NB-DSP2300**

A high performance DSP accelerator board, which provides a dedicated high-speed numerical computation engine claimed to perform scientific calculations faster than the Mac 680x0 chip. Contains the Texas Instruments TMS320C30 DSP chip operating at 33.3-MHz, 16 MIPS, dual-ported memory, dual-access memory, memory expansion, 8K 32-bit EPROM, NuBus interface, interrupt support, and RTSI Bus. Software support includes C, LabView 2, analysis Library.

II/II (c, i), x only POA  
National Instruments  
Elmeasco Instruments Pty Ltd

## 1070 audio

**Perceive****1.0**

Pitch and interval ear training software designed to work with a comprehensive tutorial supplied with the package. Supplies a report for the teacher on student progress.

Plus (MIDI interface and keyboard optional)  
68000 machines only \$215  
Coda Music Software  
Computrix

## 1071 music and speech

**Clip Tunes**

Here is a product many multimedia producers have been waiting for. The CD-ROM full of music and sound effects in AudioMedia format which may be used in

presentations without fear of breaching copyright. A total of almost one hour of music and sounds accompanied by playlists. II/II(c,i)x series only \$395

Digidesign Inc  
Firmware Design

## 1071 music and speech

**Desktop Sounds**

For the HyperCard user and programmer: a CD-ROM with 600Mb of popular instrument samples and sound effects, ready to plug into HyperCard and your own programs. A HyperCard front-end allows easy selection of the sounds. CD-ROM and any Macintosh \$225  
Optical Media International  
Firmware Design

## 1071 music and speech

**Finale****2.0.1**

A music notation package with full engraving power and composition/arranging tools. 128 staves, realtime entry in three modes, and the most powerful PostScript control over printing ever seen in a music package. Plus (MIDI interface and keyboard optional) \$1,249

Coda Music Software  
Computrix

## 1071 music and speech

**MacRecorder Voice Digitiser**

A compact and simplified version of the MacRecorder Sound System that allows users to record voice in sound-capable application software. Contains a microphone and an 8-bit analogue-to-digital converter, Farallon Sound Driver which permits record/play of compressed/non-compressed sounds from within programs, and HyperSound software for recording sound into HyperCard stacks. Requires adapter cable. 10-packs available.

\$249

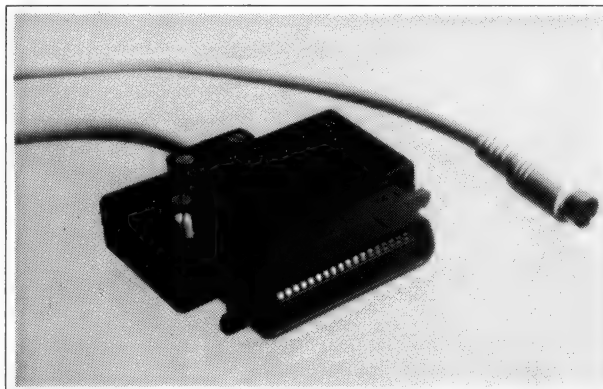
Farallon Computing  
NetComm [Australia] Pty Ltd

## 1071 music and speech

**Master Tracks Pro**

MIDI recording and editing package with five modules that provides 64 tracks of realtime and step-time graphic input, song and step editing, a system-exclusive librarian, and a keyboard control mapper. On-screen transport controls allow you to record or play from any point in the sequence, the Song Editor displays tracks

# You Can Afford A Mac Printer



## The IceCable

### You now have a choice

No more are you restricted to Apple's Imagewriter – and it's pricing. With the IceCable from Australia's own Automatic Ice Co, you can now use your choice of any Epson or compatible parallel printer on your Macintosh 512, Plus, SE or II.

### Works with most printers

Any printer that is Epson compatible. And that includes most Star, Oki, Panasonic, Brother, and Toshiba printers. Plus many others.

### Fill your world with colour

The IceCable works in colour too. Plug it into an Epson compatible colour printer, such as the Star NX-1000CL, and you have a colour Imagewriter compatible printer.

### Easy to use

The Icecable needs no special software or expertise to use. It uses Apples own Imagewriter printer drivers, so it's as easy to print with the Icecable as it is with the Imagewriter. The IceCable just plugs directly into your printer in place of a cable.

### Available from:

**MICRO-EDUCATIONAL**

256 Darby St, Newcastle NSW 2300  
Phone (049) 26 4122 Fax (049) 26 2194

Epson, Star, Panasonic, Apple, Imagewriter, Brother, and Toshiba are registered trademarks of their respective owners. Copyright © 1990.

### 24 pin printing too

The IceCable even works with 24 pin printers such as the Star LC-2410. When using a 24 pin printer, the printer will emulate an Imagewriter LQ. At way below the cost of the LQ.

### Thousands of satisfied users

Thousands of IceCable's have been sold across Australia since its release. In schools, homes and businesses.

### Money Back Guarantee

We're so confident that you'll love the IceCable that if you're not completely satisfied, we'll give you your money back. Return the IceCable in original condition within 10 days of purchase for your money back. No questions asked. So what have you got to lose?

### Order Now

The IceCable is available directly from Micro-Educational for \$130 per unit, plus delivery by post for \$5, or \$13 for delivery by courier.

**Credit Card Orders**  
**008 025 229**

### SPECIAL OFFER

Purchase the Panasonic KX-P1081 printer plus the Icecable for \$499 (saving \$30) plus receive a free box of 3.5" DSDD disks. Offer ends 31st August, 1990.

## ORDER FORM/MORE INFORMATION

Yes, I want an inexpensive printer for my Mac, please send me the following:

- ☐ More details on the IceCable
- ☐ Icecable for the Macintosh (specify) \_\_\_\_\_ @ \$130 ea.
- ☐ Plus the Panasonic KX-P1081 printer @ \$369 inc. 3.5" disks

Enclosed please find cheque/Bankcard/MasterCard/Visa#

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Postcode: \_\_\_\_\_

Phone: \_\_\_\_\_

Signed: \_\_\_\_\_

as measures, the Step Editor displays a track of MIDI events over time, the Sysex Librarian saves and loads voices and banks of voices, and the Keyboard Mapper lets you control the sequencer from a keyboard. Also includes Conductor Track for determining how the piece is to be played back. Requires Passport MIDI interface and one or more MIDI musical instruments. A scaled down version, Master Tracks Jr, is also available.

All Macs \$US\$395  
Passport Designs Inc  
Tradepower International Pty Ltd

1071 music and speech

### MIDI Interface

An interface for direct connection to music synthesisers.

\$170

Apple Computer Inc  
Apple Computer Australia Pty Ltd

1071 music and speech

### MusicProse

1.1

A simplified version of the music notation program "Finale", featuring a simple 8 tool palette and powerful menu driven features. A maximum 8 staves (Version 2 will have 32), automatic guitar chords and chord analysis from the music. Plus (MIDI interface and keyboard optional)

\$599

Coda Music Software  
Computrix

1080 communications

### Apple File Exchange

1.1

Apple File Exchange software can be used to transfer text information between the Macs and the MS-Dos or ProDos environments. Basic translator supports MacWrite-to-DCA conversion, and binary code. On the Apple IIe side, ASCII text and AppleWorks files saved on 3.5in disk format can be translated to the Mac. Can translate large batches of files at a time, even documents from different applications.

\$Free with System

Apple Computer Inc  
Apple Computer Australia Pty Ltd

1080 communications

### DynaComm

A full-featured communications package supporting a variety of terminal emulation and binary transfer protocols. Powerful scripting language provides all tools needed to create custom graphical communications applications. Allows the creation of 32 user-definable keys to store macros or frequently used strings (such as password sequences, etc).

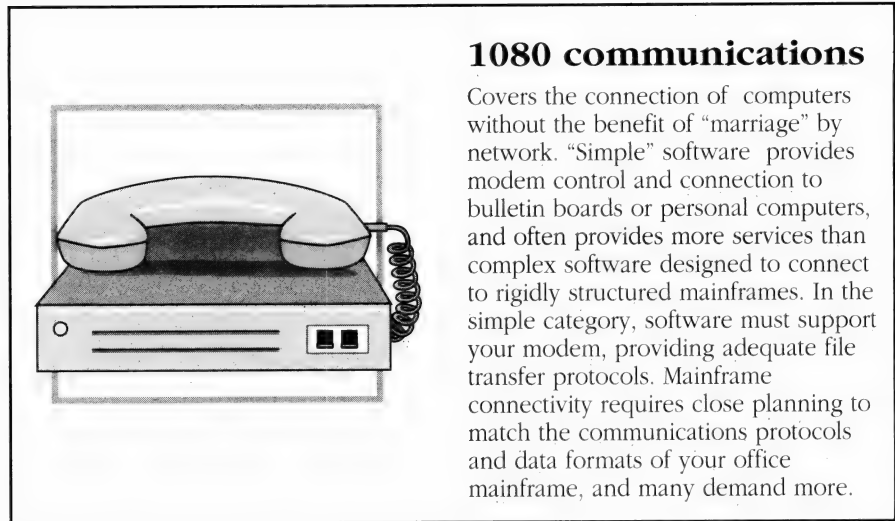
\$495

Futuresoft System Designs, Inc  
Solutions

1080 communications

### Farallon Portable Pack

A set of hardware and software for the Mac Portable (or any Mac on the move) which includes two copies of Timbuktu and Timbuktu/Remote, two PhoneNet



StarConnectors and necessary accessories which fit into the Portable's carrying case.

Mac Portable \$US\$495  
Farallon Computing  
NetComm [Australia] Pty Ltd

1080 communications

### FaxGate Plus

2.0

A fax gateway for QuickMail, Microsoft Mail and InBox, providing fax capabilities to every Mac on an e-mail network. Operates in the background. Introductory price includes a 5-pack of MailMaker. Plus or higher, 2Mb RAM, 40Mb hard disk, MS Mail 2.0 or QuickMail 2.2, System 6.0.3+, BackFAX supported modem, BackFAX Solutions International Inc \$625  
Halldale Technologies

1080 communications

### Liaison

2.0

A network bridge based entirely on software, with no dedicated hardware needed. It will run on any Macintosh from the 512Ke and supports LocalTalk, Flashtalk, Ethernet and can bridge three zones at once. Performance can be affected by CPU-intensive foreground tasks. It is actually two packages: Liaison, only available to licensed users; and Liaisonet, available to anyone for private sessions with a licensed user. It allows you to hide certain zones on the network; and to dial into or out of your office network, share modems (only for Liaison use), and establish either group or private remote network connections. Although not copy protected, it ensures each copy of Liaison on a network is unique. Use Liaison from within any application that allows access to DAS; can also be configured to connect to a given site on start-up. Requires a full duplex link (send and receive concurrently) and a V.32 standard (9600 baud per second full duplex) modem is recommended. Comprehensive on-line Help; a small manual.

V.32 modem \$385  
Infosphere Inc  
Tri-Data Communications

## 1080 communications

Covers the connection of computers without the benefit of "marriage" by network. "Simple" software provides modem control and connection to bulletin boards or personal computers, and often provides more services than complex software designed to connect to rigidly structured mainframes. In the simple category, software must support your modem, providing adequate file transfer protocols. Mainframe connectivity requires close planning to match the communications protocols and data formats of your office mainframe, and many demand more.

1080 communications

### MacCHUCK

1.5

IBM PC control/echoing in a window on the Mac. It supports cable/AppleTalk connections, file transfers and colour. Comes with Mac and 3.5in and 5.25in PC disks, and serial connecting cable between the Mac and PC/AT. Supports the colour character graphics screen of the PC (not CGA/EGA/VGA), and allows both machines to be run at once; either keyboard may be used for the PC. MultiFinder aware, plus screen capture and files transfer facilities. TOPS-compatible with AppleTalk, even when setting up TOPS on the PC via MacCHUCK.

Mac 512K \$249  
Vano Associates, Inc  
Oxford Systematics

1080 communications

### MacLink Plus Translators

4.5

Mac-PC file sharing software, with cable. Offers 150 file translators which extend the translation capabilities of the Apple File Exchange Utility (AFE). Each translates data from a DOS application to a similar application on the Mac (for example, WordPerfect to Microsoft Word, keeping formatting, indents, tabs, fonts, and styles intact). Files can be transferred "unformatted" as ASCII or binary text. Links through direct cabling or via modems. Able to translate files between Mac floppies or hard discs; MS-DOS disks on Apple PC 5.25in drive driven by the Mac; MS-DOS disks on Dayna File 5.25in or 3.5in DOS disk drives for Mac. Versions exist for IBM PCs (or compatibles), Wang, or Remington (NBI), and DEC systems.

All Macs \$330  
DataViz Inc  
InfoMagic Pty Ltd

1080 communications

### MicroPhone II

3.0

An enhanced version of this communications program. New features include the ability to extend MicroPhone's language using HyperCard external commands and functions; support for



international character sets using roman-based languages, for handling international transmissions; and optional password protection.

Software Ventures Corporation  
NetComm [Australia] Pty Ltd

\$499

#### 1080 communications

### NetComm Program for Macintosh

A multi-window asynchronous communications software package. Both Videotex and TTY. Selectable baud rate: 300 to 19,200 baud. Use both serial ports simultaneously. Displays in colour on a Mac II.

\$100

NetComm [Australia] Pty Ltd  
NetComm [Australia] Pty Ltd

#### 1080 communications

### Netway 2000

A combined gateway and intelligent bridge/router, providing 3270 SNA connectivity to IBM mainframes for LocalTalk, Ethernet, and Token Ring LANs.

\$19,995

Tri-Data Systems Inc  
NetComm [Australia] Pty Ltd

#### 1080 communications

### Okyto

A Mac-to-Mac file transfer program which can be used attended by people on both or only one side. It can also be fully automated to be unattended on both sides. Permits simultaneous send and receive, while allowing users to "chat" back and forth, provides security control, full audit trail, and works in background under MultiFinder.

Mac Plus, SE \$US40  
FreeSoft Co  
Firmware Design

#### 1080 communications

### OPAL Developer 1.6

Provides third-party developers and MIS departments with a broad range of integrated tools and a powerful connectivity environment. It has the flexibility to produce standalone Mac applications that conform to the Mac interface guidelines.

\$995

OPAL Software Australia  
OPAL Software Australia

#### 1080 communications

### OPAL Emulations 1.6

A range of terminal emulations with advanced connectivity features. Features include macro language, phone dialler, report grabber, formatable copy and paste, template librarian, MultiFinder compatible.

\$285

OPAL Software Australia  
OPAL Software Australia

#### 1080 communications

### OpalXfer 1.6

A range of optional, proprietary transfer enhancements to OPAL emulations for bi-directional Mac file transfer. Various

documents and file translations are available, depending on the host environment. Suited to store and forward complete Mac files; for Data General, Datapoint, DEC, Pick and Unix.

\$570 +

OPAL Software Australia  
OPAL Software Australia

#### 1080 communications

### ProLink

Apple II and Macintosh data transfer program.

\$85

ALSoft Inc  
Next To Mac

#### 1080 communications

### Second Sight 2.0

Second Sight (formerly Red Ryder Host) is a bulletin board software construction set. Comes with a 120+ page manual that guides users through the steps necessary to create a bulletin board.

Mac Plus, SE, II \$250  
FreeSoft Co  
Firmware Design

#### 1080 communications

### SoftPC 1.3

MS-DOS emulation software running under the Finder, allowing users to run DOS applications without a DOS co-processing card. The SoftPC AT Module, at \$300, is an add-on which offers EGA graphics support, 80287 maths co-processor compatibility and extended memory. It requires an SE/30 or above with 4Mb RAM. A Mac Portable version is also available. SoftPC Educational costs \$320.

SE/30 \$580  
Insignia Solutions  
Keyway Computers

#### 1080 communications

### White Knight II 11.4

(Formerly Red Ryder.) Supports MacBinary, X-Modem, YModem, Z-Modem and Kermit. Remote service procedures (over 200 commands), auto procedure writer and keyboard macros allow automation of many operations. MultiFinder compatible, works in the background. Features include: a macro function, host mode, transfer of ASCII, X-Modem or MacBinary files, VT-100 emulation, three screen display sizes (including colour), RLE graphics support. Customisable user interface with user-defined menus, dialogue boxes, icons, pictures, and buttons. Transmission speeds range from 300 to 57,600 baud.

All Macs \$225  
FreeSoft Co  
Firmware Design

#### 1081 modems

### AutoModem 1234

Desk model full duplex 300, 1200, 1200/75, 2400 baud modem that complies with both CCITT and Bell standards, featuring the standard "AT" command set. Supports tone or pulse dialling, full auto-dial, auto-answer and auto-disconnect. 12

month warranty. Serial connector cable between the 1234 and your Mac not included.

\$699

NetComm [Australia] Pty Ltd  
NetComm [Australia] Pty Ltd

#### 1081 modems

### Datalink/Mac Portable

An internal 2400 bps modem for the Mac Portable. Includes send-fax, MNP-5, low-power consumption, accepts 1-2 line phone adapter so users can also use the phone. The modem has non-volatile RAM for pre-setting and storing different setup configurations, and often-used phone numbers. Includes software, free introductory memberships and time on bulletin boards and on-line services.

Mac Portable \$535  
Applied Engineering  
Keyway Computers

#### 1081 modems

### DoubleTalk

Modem maximiser which simultaneously sends and receives multiple files. Allows resumption at the point of interruption of aborted file transfers, and on-line keyboard conversation during file transfers. Files may be batch-transferred during unattended operation. Offers full-featured terminal programs for bulletin boards, on-line services, and front-end terminal emulation.

\$240

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

#### 1081 modems

### FlexFax

Combined Group III fax and 2400 bps data modem in one unit. As simple as printing your file to a printer. Reception works in the background, and FlexFax is supplied with a free copy of BackFax. When combined with the optional FaxGate software, any user connected to your network can send a fax through a standard e-mail system.

Mac Plus or higher \$1,550  
Circuit Research  
Halldale Technologies

#### 1081 modems

### Maestro 2400ZXR Modem

A Hayes-compatible full duplex 2400 baud modem. It works over a switched telephone network as a full duplex 300, 1200/75, 1200, or 2400 baud modem that is compatible with CCITT V.21, V.23, V.22 and V.22bis modem standards. Offers industry standard "AT" auto-dialler command set and has an Auto Baud rate detect feature which automatically adjusts to the baud rate of a remote modem source. RS232 cable needed to connect with your Mac and the optional battery-backed RAM are available at an extra charge.

Any Macintosh \$299  
Maestro Pty Ltd  
Micro-Educational Pty Ltd

## 1081 modems

### Pocket Rocket Modem 1234

Compact model, full duplex 300, 1200, 1200/75, 2400 baud modem that complies with both CCITT and Bell standards, featuring the standard "AT" command set. Suitable for carrying in a briefcase. Supports tone or pulse dialling, full auto-dial, auto-answer and auto-disconnect. 12-month warranty. Power supply included, also a serial connector cable between the 1234 and communications software (the NetComm Program for the Mac).

\$649

NetComm [Australia] Pty Ltd  
NetComm [Australia] Pty Ltd

## 1081 modems

### TrailBlazer MkII

A full duplex, high speed (18,000 bps), full-featured modem offering PEP proprietary protocol. Includes power supply but not cables to connect to the Mac.

\$2499

NetComm [Australia] Pty Ltd  
NetComm [Australia] Pty Ltd

## 1090 networking

### AlisaTalk System

Offers VAX/VMS and Macintosh communications and printer sharing.

\$5,300 +

Alisa Systems Inc  
Praxa Ltd

## 1090 networking

### AppleShare

2.01

A network server that implements the AppleTalk File Protocols (AFP). Runs over AppleTalk, PhoneNet and Ethernet cables. Requires a dedicated Mac Plus, SE or Mac II with a hard disk, and in return allows for sharing of files, applications and folders, and transparently serves as a base for electronic mail, print spooling and other applications. Users and groups are assigned access privileges: by owner only, by group or by everyone, with options to see folders, see files or make changes. Users who do not have access to a file will not know of its existence. Drop Folder is a tool which allows certain users to put files in, but not see them or take them out. Software is available for LaserWriter print spooling over the network, as well as software to admit PCs with AppleTalk cards on the network.

512K Mac, 20Mb hard disk \$1,217  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

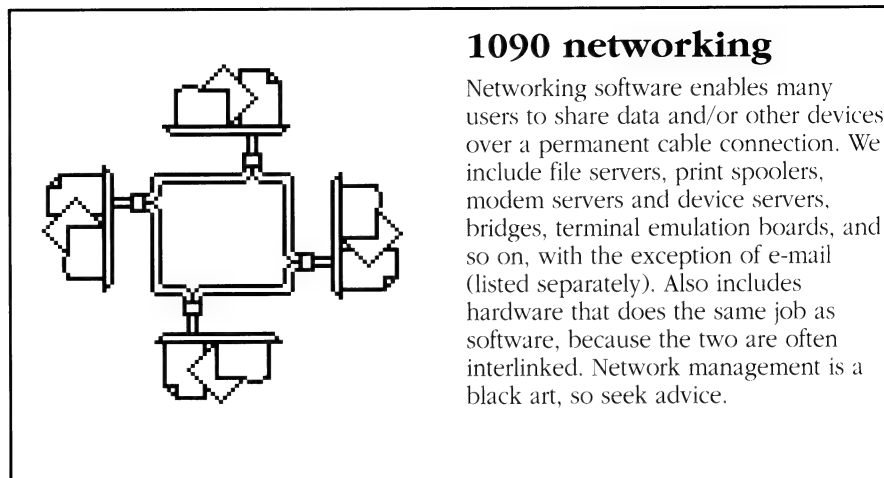
## 1090 networking

### AppleShare PC

Lets users of IBM PCs and PC-compatibles share information on an AppleShare file server with Mac users on an AppleTalk network. Gives an MS-DOS user the same ability to access folders, documents, applications, and storage space as a Mac user. Using the AppleShare server from an MS-DOS PC is like using a local disk drive. The AppleTalk PC Card required with AppleShare PC also makes it possible to print documents that have been created with MS-DOS applications on the LaserWriter.

\$249

Apple Computer Inc  
Apple Computer Australia Pty Ltd



## 1090 networking

Networking software enables many users to share data and/or other devices over a permanent cable connection. We include file servers, print spoolers, modem servers and device servers, bridges, terminal emulation boards, and so on, with the exception of e-mail (listed separately). Also includes hardware that does the same job as software, because the two are often interlinked. Network management is a black art, so seek advice.

## 1090 networking

### AppleTalk

5.1

An economical office network environment providing each Mac in the network with access to each other and to such peripherals as hard disks, printers, and laser printers. Up to 32 Macs can be connected to the system. The AppleTalk network includes carrier sense detection, multiple access with collision avoidance, and allows Mac to Mac communication. Said to be the easiest to install of all PC networks, because all Macs have the protocol/firmware built in. \$98 per connection. Extended cables (10 meter) \$81; Custom 100 meter Kit \$1,075.

\$98 each

Apple Computer Inc  
Apple Computer Australia Pty Ltd

## 1090 networking

### Asante Ethernet Cards

A range of Ethernet connection cards. MacCon SE/E: supports Ethernet cable enabling network operation at distances of 305 meters. Connects 100 nodes/segment, the card supports AppleShare, Novell's NetWare and TOPS. MacCon II/E: An Ethernet NuBus interface card that connects AppleShare and NetWare, eliminating manual switching. Provides a 32-bit data transfer rate. Equipped with multi-coloured LED read-out. MacCon SE30/E: A network interface card that supports Ethernet cable, enabling network operation at distances to 305 meters. Connects 100 nodes/segment, the card supports AppleShare, Novell's NetWare and TOPS. Data is transferred at a bus speed of 10.44 Mb/second. A multi-coloured diagnostic LED read-out indicates packet transmission/reception and collision of data.

\$995

Asante Technologies  
Capricorn Computers

## 1090 networking

### Comserve

1.0

Allows serial communication devices to be shared on a network. Users can share an outbound serial communication channel using Hayes-compatible modems or direct communications. ComServe transparently

supports leading telecommunications applications, is compatible with MacServe, AppleShare or TOPS, and supports serial data rates of 300 to 9600 baud.

\$270

Infosphere Inc.  
MicroAustralia Computer Products Pty Ltd

## 1090 networking

### C-Server

A system "bridge" for interconnecting virtually any computer or peripheral over an AppleTalk network. Allows users to connect Macs, MS-DOS, Unix and VAX-based systems with an AppleTalk network, thus increasing the usability of system resources.

\$1,099

Solana Electronics  
NetComm [Australia] Pty Ltd

## 1090 networking

### ClipShare

1.0

Allows Macs on a network to share Clipboard contents, allowing for realtime cut-and-paste across a LocalTalk network. Mac Plus, SE, II \$475  
Olduvai Corporation  
Trio Technology

## 1090 networking

### DaynaNET

1.0

DaynaNET is an OEM version of Novell's NetWare.

POA

Dayna Communications Inc  
NetComm [Australia] Pty Ltd

## 1090 networking

### DaynaTalk

DaynaTalk enhances the data transmission rate of LocalTalk-compatible cable systems, increasing productivity on heavily used networks, or the addition of computers before performance deteriorates.

POA

Dayna Communications Inc  
NetComm [Australia] Pty Ltd

1090 networking

### DOS Connect

Gives PCs access to the serial devices on a LocalTalk network.

POA

Shiva Corp  
Keyway Computers

1090 networking

### DOS Dial In

Software for remote PC access to LocalTalk networks.

POA

Shiva Corp  
Keyway Computers

1090 networking

### Ether 2 and Ether Plus

Two Ethernet connectivity boards. Ether 2 is a NuBus-type card, Ether Plus is a SCSI device.

All Macs \$950+  
n/a  
Allaw Technologies

1090 networking

### EtherGate

An EtherTalk/LocalTalk/serial gateway consisting of one thick Ethernet port and one thin Ethernet port, only one of which is used at a time, plus two serial/LocalTalk ports. Users can customise the combination of gateways, serial device sharing, remote networking, and dial-in network from a Mac or PC.

Mac Plus, SE \$3,999  
Shiva Corp  
Keyway Computers

1090 networking

### EtherPrint

An EtherTalk-to-LocalTalk converter for LocalTalk network printers. Using EtherPrint, Macs connected to Ethernet can access printers directly or through network print queues. Users of IBM-compatibles can also access the printer, provided they have AppleTalk printing software.

\$999

Dayna Communications Inc  
NetComm [Australia] Pty Ltd

1090 networking

### EtherSC

An external box that connects the Mac Plus, SE or II directly to Ethernet using the Mac SCSI interface. This direct connection provides a high bandwidth network performance and lower network degradation. Ethernet gives users a data transmission rate of 10Mb/second. Results in a higher speed with standard thin Ethernet cabling. Runs AppleTalk or TCP/IP protocols on Ethernet cabling.

\$2,226

Kinetics Inc  
Tri-Data Communications

1090 networking

### FastPath

4

Hardware that connects an entire AppleTalk network to an Ethernet network. Supports multiple LocalTalk devices, including Macs, LaserWriters and PCs, as well as multiple network protocols to interconnect a variety of computing systems. TCP/IP protocol

supported. It also provides new diagnostic features, including lights that indicate the direction of network traffic to help network managers control cable breaks and other problems.

\$4,675

Shiva Corp  
Keyway Computers

1090 networking

### GatorBox

A LocalTalk-to-Ethernet gateway that enables networked Macs to share files with networks using Sun Microsystems' Network File System. Provides TCP/IP-based file transfer and terminal emulation capabilities; 10-MHz Motorola 68000 processor; 1Mb RAM; on board non-volatile memory; 64K erasable programmable read-only memory; and LocalTalk-to-Ethernet/Thin Ethernet and Ethernet-to-Ethernet interfaces available.

\$5,495 ex tax

Cayman Systems, Inc  
Tri-Data Communications

1090 networking

### I-Server

Functions as a local bridge between AppleTalk networks. Greatly expands the number of interconnected users and peripherals (actual total over 2 million). Each of the segregated groups will achieve maximum throughput and system response without degrading performance for the others. Doubles AppleTalk network coverage (i.e., up to 2200m using PhoneNet connectors). I-Server Manager software is supplied.

\$999

Solana Electronics  
NetComm [Australia] Pty Ltd

1090 networking

### LanWay Token Ring 16/4 Family

The LanWay TR 16/4 family, is the first 16/4-Mbps Token Ring LAN option for SE/30s and Mac IIs (NuBus). The LanWay Token Ring card is capable of both 16-Mbps and 4-Mbps operating in a single adapter. The card is software switchable between the two speeds eliminating the need for jumpers and cables to change LAN speeds.

POA

Tri-Data Systems Inc  
NetComm [Australia] Pty Ltd

1090 networking

### LapLink Mac III Connectivity Pac 3.0

Permits Mac-to-Mac, Mac-to-PC transfers for two users. Data can be transferred via the supplied cable, modem, AppleTalk, or with a SCSI cable. Includes file translators for converting documents from PC to Mac formats, and vice versa. An accelerator boosts Mac-to-Mac transfer to 115,000 baud. File transfers are controlled from within the Mac or PC. The company also introduced special versions of LapLink for connecting the Casio B.O.S.S. and the Sharp Wizard palmtop notebook computers to the Macintosh.

Mac Plus, SE \$US190  
Traveling Software, Inc  
PC Extras

1090 networking

### MacServe

2.4

Allows a computer's hard drive to be accessed by other CPU's on a network. Accesses common files and applications, thus eliminating the need for dedicated computers. Also provides automatic crash recovery, and it allows users to mix different file systems for the greatest software compatibility. Data can be secured with passwords, and spooling is supported for serial printers. Supports up to 32 users, through the practical limit is typically two to six users.

\$348

Infosphere Inc.

MicroAustralia Computer Products Pty Ltd

1090 networking

### Maxway 500 Family

Capable of supporting AppleTalk routing in multiple LocalTalk, Token Ring (TokenTalk), and Ethernet (EtherTalk) LAN environments.

Tri-Data Systems Inc

NetComm [Australia] Pty Ltd

1090 networking

### NetBridge

Remote AppleTalk networks can be linked by installing a NetBridge and a modem at each site. Full two-way access to resources is available on both networks, facilitating e-mail and file transfer applications between distant offices. Can also be used between floors of a building, or to divide networks down to reduce congestion and improve network performance.

Mac 512K \$850

Shiva Corp  
Keyway Computers

1090 networking

### NetModem V2400

Allows an entire AppleTalk network to share a 2400 baud modem. Features incoming call alert, LED's in the Macintosh menu bar, audible call monitoring, and a desk accessory which enables the use of an AppleTalk network from a remote location.

Mac Plus, SE, II \$999

Shiva Corp  
Keyway Computers

1090 networking

### NetSerial X232

Allows multiple serial devices to be shared by AppleTalk network users. Plug any serial peripheral into the NetSerial and it can be used by anyone on the network. Chooser-access to shared peripherals. Using the NetSerial with TOPS also gives you remote dial-in - dial from home and have access to network resources like LaserWriters and hard disks.

Mac 512K \$699

Shiva Corp  
Keyway Computers

1090 networking

### NetWare for Macintosh

Allows Macs and PCs to interact on NetWare local area networks. Transforms PC-compatibles into AppleShare network



servers and allows file and message sharing. Macs and PC files are stored in the same server directories, and utilities are available to translate files with incompatible formats. Conforms to the AppleTalk Filing Protocol (AFP) and Printer Access Protocol (PAP). Features security, resource accounting, system fault tolerance and LocalTalk and EtherTalk compatibility. Allows shared printer access incorporating spooler and queue management functions. Supports over 30 PC-LAN systems, requires an Intel 80286 or 80386 network server running NetWare 2.15 or later and includes AppleShare workstation software.

2Mb network server memory. \$310

Novell Inc

Novell Australia

#### 1090 networking

### Netway 1000AE Enhanced 8.0

Allows Macintoshes to emulate 3270 terminals when connected to IBM mainframes via a Netway 1000 Communication Server and LocalTalk network. Full host file transfer and multi-session capabilities (up to eight sessions per Mac). Licensed to four individual Macs on the LAN.

\$6,699

Tri-Data Systems Inc  
NetComm [Australia] Pty Ltd

#### 1090 networking

### Network Managers Kit

A complete tool kit of software for network managers. Includes a one-year subscription to Farallon's TrafficWatch II, NetAtlas, NetStats, CheckNET and StarCommand network management software; Timbuktu software, plus other utilities, and documentation.

\$1,599

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### Novell PCOX/3270 SR-M

File transfer software for the Macintosh II with PCOX/Multi-M and PCOX/COAX-M installed.

\$153

Novell Inc.  
MicroAustralia Computer Products Pty Ltd

#### 1090 networking

### Novell PCOX/Multi-M

The same as PCOX/One COAX with the addition of concurrent access to five host sessions (up to four can be used for printer sessions) for use with a Mac II. The printer sessions allow PC printers to emulate an IBM 3287 printer.

\$1,014

Novell Inc.  
MicroAustralia Computer Products Pty Ltd

#### 1090 networking

### NuvoLink II Ethernet Card

An Ethernet/NuBus interface card with built-in connections for thin wire, thick wire, or twisted pair with third party hardware. Simple installation and utility software offers network and hardware

diagnostic information. Available in 5 pack (\$3,720) and 10 pack (\$7,200).  
II/II (c, i), x only \$799 +  
Nuvotech, Inc  
Keyway Computers

#### 1090 networking

### NuvoLink SC

Provides Ethernet access via the SCSI port. Contains a DB25 connector and can also connect to another SCSI device in a chain. Simple installation and software, plus Apple's LAP manager and Ether-compatible driver.

Mac 512K \$995  
Nuvotech, Inc  
Keyway Computers

#### 1090 networking

### pcANYWHERE III

3.11

The complement of PC MacTerm; it runs on the PC and is accessed from the Mac via MacTerm. Not an emulation package or file transfer software but "remote control" software. Run PC software, all internal cards, peripherals, and CGA graphics terminal. On an AppleTalk network or via a modem your Mac screen will take on the PC screen appearance. Cut and paste between DOS programs. Mainframe programs may be run on the Mac if the PC is connected to the mainframe. Compatible with MultiFinder. Use the mouse to press DOS Function keys. Version 3.11 permits up to three remote computers to gain access to a standalone PC and all its resources and applications. Macs may remotely, and simultaneously, control and run a DOS session on the single PC. Users on the host can run a separate application concurrently with the remote users.

\$188

Dynamic Microprocessor Associates Inc  
dale Technology

#### 1090 networking

### PhoneNet Connector

(Building block components: PhoneNet, PhoneNet CheckNET, PhoneNet Connectors, and PhoneNet StarController.) PhoneNet is a network which utilises AppleTalk standards, taking advantage of unused wires in existing phone lines, allowing you to connect an AppleTalk device wherever there is a phone jack. Other features: flexible network

arrangements and a range of 3,000 feet (up to 36,000 feet with a StarController - see listing). StarController, CheckNET and TrafficWatch software can be used for monitoring and managing a large-scale AppleTalk network. PhoneNet CheckNET: a desk accessory that allows users to view all other active network users and to check the status of all network printing resources. Users can search and sort to find other users or particular devices, even across zones. Price covers 10 user licences. PhoneNet Connectors: an adapter cable that allows PhoneNet connectors to be mixed with an existing AppleTalk network. Extends network up to 4,000 feet on inexpensive twisted pair wiring, and can be configured in a daisy chain, backbone or star topology.

\$89 per connector

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### PhoneNet Repeater

A reclocking repeater for PhoneNet. It allows the maximum length of PhoneNet networks to be extended.

\$799

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### PhoneNet StarController

Coordinates a large network wired in a star topology through existing telephone wiring. Has 12 ports, each can support a 3,000 foot network. Network management card plugs into expansion slot of the StarController. Monitors network status, identifies the location and nature of problems, attaches and detaches branches from remote location. Price includes StarCommand DA software.

\$2,799

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### R-Server

Remote network gateway and full asynchronous bridge. Extends AppleTalk network over ordinary telephone lines to remote users (use any modem from 1200 bps to 19.2K bps). All software and network services act as though the remote user were a local user. Adds up to 30 R-Servers on a network. Supports AppleTalk Protocol. Compatible with AppleShare and InterMail. Version 2 features Network access security.

\$999

Solana Electronics  
NetComm [Australia] Pty Ltd

#### 1090 networking

### Silverplatter

Software for users to quickly, easily and inexpensively share most serial devices over an AppleTalk network, eliminating the need to buy costly network serving hardware. The shared device appears in the Chooser no matter where it is located. Allows the server to deny access to a serial device for exclusive use. May be used with most communications programs.

\$200

LaCie Ltd  
Reliable Australian Distributors Pty Ltd

#### 1090 networking

### StarConnector EN

Simplifies network connection for Ethernet-equipped Macintoshes, IBM PCs, NeXT machines, Sun workstations and any other 802.3-compliant Ethernet device.

\$349

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### PhoneNet StarController 300

An intelligent multiport repeater for LocalTalk networks. Newly designed plastic case allows for easy installation. New features include: enhanced error detection, new LED indicators, and individual port statistics.

\$2,099

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### StarController EN

An Ethernet version of the PhoneNet StarController, a 10 Mbps, 12-port retiming Ethernet repeater that network managers can interconnect in multiple configurations to support up to 1,024 users. \$3,995

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### Status\*Mac

1.0

Enables Macintosh network managers to rapidly gather information about critical hardware and software components on all Macs within their support domain. It does not profile personal files or folders. Profiles are automatically imported into the master database for report creation of current status and assets inventories. Includes 50 templates, custom forms installer, and upgrade for managers of larger networks.

???\$US799+

Aires System Corporation  
Tri-Data Communications

#### 1090 networking

### TeleBridge

A bridge between remote networks which also allows a single remote user to dial in and become a node on the network. Two AppleTalk networks, each with TeleBridge and attached modem, can be linked over phone lines to form one continuous inter-network. This enables sharing of file servers, e-mail, printers attached to either network. Supports Dial-in Network and modem sharing over AppleTalk.

Mac 512K \$850  
Shiva Corp  
Keyway Computers

#### 1090 networking

### Timbuktu

3.1

Network DA software for screen-sharing and file-transfer, enhanced to enable users to simultaneously observe and control a number of other Macs in multiple, resizable windows. Spanish and German versions available. \$199/single copy. \$1,599 for 10-pack and \$2,999 for 30-pack.

\$199

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### Timbuktu Remote

2.0

Remote conferencing and screen-sharing software which allows Macintosh users to view and operate each others' computers over dial-up telephone lines. Provides extensive, layered security features, including password protection and the ability to set various access levels.

\$299

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### TOPS FlashBox

A plug-in device to upgrade the performance of AppleTalk networks without the expense and complexity of

Ethernet. It accelerates the data-transfer rate from the standard AppleTalk 230Kbps to FlashTalk 770Kbps. As your network grows, a FlashBox on each Macintosh can help to minimise the impact of the added machines on network performance. Compatible with all AppleTalk standard protocols. Twisted pair phone wire or Apple LocalTalk cabling can be used.

Mac Plus, SE \$289  
Sitka  
MicroAustralia Computer Products Pty Ltd

#### 1090 networking

### TOPS Network Bundle for Macintosh

3.0

Combines all the services essential to a work group: transparent file sharing, network printing capabilities, and the electronic mail services of TOPS InBox 3.0. Connect a Mac to other Macs, PC, and Sun workstations on a TOPS network. It does not require the user to purchase an additional computer to function as a dedicated server, although you have that option. Add computers whenever you need to, using LocalTalk, Ethernet or phone cabling.

Mac Plus, SE \$439  
Sitka  
MicroAustralia Computer Products Pty Ltd

#### 1090 networking

### TrafficWatch

1.08

Records traffic between devices connected to PhoneNet, including who sent to whom, or to what device; and a network analysis and debugging utility which monitors who is talking to whom on the network, and how often. Aids network managers in optimising network load, tracing error types and rates, and monitoring user statistics with a realtime graphics display. Able to save data to Microsoft Excel files.

\$299

Farallon Computing  
NetComm [Australia] Pty Ltd

#### 1090 networking

### TurboNet ST

A telephone wire-based LocalTalk connector that runs on standard telephone cabling. Features traffic indicator lights, surge absorbers, permits trunk, daisy chain or passive star networks of up to 5,000 feet. Network speeds of up to 1Mbps are supported. TurboNet ST (DB 9) is the same but for LT200 cards or old LaserWriters. The 12 ST: \$675.

Mac 512K \$89  
Nuvotech, Inc  
Keyway Computers

#### 1090 networking

### TurboStar 16 Port Hub

Automatic network management hub designed for a star configuration network running AppleTalk over twisted-pair telephone wire. Contains a MC68000 CPU for automatic network configuration, monitoring and activity logging. Fully programmable, and has its own NBP name which can be changed from the controlling Mac.

\$3,299

Nuvotech, Inc  
Keyway Computers

#### 1090 networking

### Webster Multigate

Designed and made in Australia by Webster Computer Corporation, Multigate is a product offering high level LocalTalk routing which allows four LocalTalk networks to connect with Ethernet networks using TCP/IP protocol. It effectively replaces as many as four LocalTalk routers. Also supports asynchronous AppleTalk.

POA

Webster Computer Corporation  
Webster Computer Corporation Pty Ltd

#### 1091 e-mail

### AlisaMail

A Mac-to-VAX comms package that includes AlisaShare AFP file server (a VAX/VMS-based file server which provides transparent file-sharing for Mac and PC systems using AppleTalk), AlisaPrint System (APS) (allows both Mac and VAX users to print to PostScript devices), and AlisaTerminal remote terminal service (allows Mac users to log into remote DEC systems).

\$18,000 - 31,500

Alisa Systems Inc  
Praxa Ltd

#### 1091 e-mail

### Microsoft Mail

2.0

An e-mail system that can be used within any application as a DA. Send messages and files via any AppleTalk network without the need for a dedicated Macintosh. Alerts you when messages arrive, delaying notice if your Mac is off. You can respond, change messages, forward them to others, or even send a reminder to yourself using a checklist of the recipients' names. To enclose a file or document with a memo, just press a button and select. Version 2.0 incorporates voice mail, which requires a MacRecorder from Farallon, and a Sound Driver and Voice Message Form from Microsoft to be installed in MS Mail. Any Mac can hear playback, but only those with MacRecorders can create voice messages. Network connectivity includes VMS Mail, All-in-One, MCI MAIL, Unix SMTP.

\$725

Microsoft Corporation  
Micro Australia Computer Products Pty Ltd.

#### 1091 e-mail

### QM Connectivity Series

A QuickMail connection to the CONNECT Professional Information Service (\$160). The QM Serial Gateway provides hardware links to mainframes with scripts for specialised connections (\$315). The QM Data Collection Bridge provides a connection for importing Tab Delimited files from QuickMail messages (\$200). The QM MHS Gateway connects to any e-mail system supported by MHS (\$315).

\$160

CE Software Inc  
Keyway Computers

#### 1091 e-mail

### QuickMail

2.2

Provides mail and conferencing on a network with mail boxes which operate

whether a user's Mac is switched on or not. Allows mailing from remote sites or over network bridges, and mailing via the nearest printer to those with no computer. Password security, network administration, and software bridges are provided. Works on AppleTalk with its included QuickServer software, or else over TOPS or AppleShare servers. QuickServer works in the background. Consists of seven programs with the option to install and use only what is needed. One of these is QuickForms, for creating or editing message formats. Version 2.2 provides users with directory services (QuickMail NameServer); on-line addresses and gateways are continuously updated and stored with imported address lists, and available to users through the "Find" menu. QM Menu adds a mail menu to any application, providing the only universal mail integration yet released for Macintosh. You can enclose and send documents from within any application. QM-QM Bridge allows users with a modem to communicate with any other QuickMail site, without the user having to know or perform the dialling after the recipient's address has been entered once. This, together with QuickMail PC, extends QuickMail's lead as the most wide-reaching e-mail package for the Mac. QM Recorder works with Farallon's Mac Recorder to record and attach voice recordings to mail messages. Speed has also been improved. (That was necessary.) XCMDs for HyperCard, Wingz and 4th Dimension should be available, to permit developers to create external commands which interface to QuickMail. Available for 5 (\$470), 10 (\$695) and 50 (\$3,085) users.

\$500 +

CE Software Inc  
Keyway Computers

#### 1091 e-mail

### **TOPS InBox/Plus**

**3.0**

An easy-to-use e-mail system. It supports up to 20 mail boxes, letting both PC and Macintosh users exchange memos, messages, and files. InBox can run on any file sharing network including NetWare, 3+, LAN Manager, TOPS and AppleShare and on nothing more than Ethernet cabling, LocalTalk cabling, or phone cabling. Can be configured for use with or without a dedicated server. Supports up to 20 Macintosh and PC users. Tops InBox Plus (\$1,499) supports up to 100 users, multiple message centres and central administration.

Mac Plus, SE \$499  
Sitka

MicroAustralia Computer Products Pty Ltd

#### 2010 data management

### **4th Dimension**

**2.0.1**

Relational and multi-user database package. Lets you create custom made database applications with pull down menus, dialogue and alert boxes. It contains a graphic interface, a rich programming language and is flexible enough to take full advantage of the graphics, networking and colour features in custom applications. Permits 100 files opened simultaneously. Each database can have up to 99 files of up to 511 fields, with 511 subfields per field, an unlimited number of links between files and up to 16 million records. Each field can be either alpha (80 character limit); text (32,000 character limit); real (19 digit accuracy); integer (up to 32,767); long integer (up to 2,147,483,647); date; picture; or subfile (up to five levels deep).

Search capabilities include multiple conditions, wild cards, ad hoc queries, and programmable searches. Other features include: sorting on up to 30 fields, automatic data validation, hierarchical password system with up to 32,000 levels; and the ability to create your own filter to convert data for any type of computer or peripheral device. It can import or export data in SYLK, DIF and text formats from other Mac, or IBM PC and mainframe applications. Its procedural programming language contains over 200 built-in routines and operators; it adds capabilities like manipulating sets, communicating through the serial port, and performing arithmetic operations on pictures. External routines written in C, Pascal or other language can be added to provide additional power. Comes with a database repair utility. The runtime version also works on the Mac 512Ke.

\$1,395

ACI France  
Softies Pty Ltd

#### 2010 data management

### **4th Dimension Compiler**

The claim for this compiler is that it may speed up an application created by 4th Dimension to run from 3 to 1,000 times faster. Contains the essential tools such as code checking for both logical and syntactical conflicts. Compilation naturally also provides added security for the developer.

4th Dimension  
ACI France  
Softies Pty Ltd

POA

#### 2010 data management

### **dBase Mac**

A fully relational database manager for the Mac. Supports the Mac interface with easy relational database design formats. Provides the user with power programming available through user-definable pull-down menus, complex data queries, and data input screens with buttons and check boxes. ASCII text files

## **2000 Software Guide**

Software not otherwise specified

can be ported into dBase. Up to 36 files can be opened simultaneously with unlimited number of records per file and a maximum record size of 32,000 characters long. Fields may be defined as text, numeric, dates, logical, choices or graphics. Maximum file size and number of records is only limited by the available disk space. Input hierarchies may be defined to allow data entry into multiple files at once. Creating a relation between two files is as easy as dragging a field icon between them. Other features include: custom report and label generation without programming; structured and unstructured data; text and graphic images; automatic data format verification.

\$750

New Era

MicroAustralia Computer Products Pty Ltd

#### 2010 data management

### **ClearAccess**

A DA that provides transparent window access to corporate databases on mini, mainframe, LANs and worldwide. Information found can be placed directly into a preferred Mac application. It draws data from a variety of database and computer brands by using advanced database access tools such as the CL/1 connectivity language and Oracle for the Mac. Communications and translations are handled as background tasks.

Mac Plus, SE

\$495

Fairfield Software  
Keyway Computers

#### 2010 data management

### **Database**

A full-featured DA database for filing graphics (inc EPS), text and colour images. Features include: multiple picture fields per page; sophisticated art-grabber for all picture formats; converter and Minifinder interface for merging and accessing frequently used files; check boxes and pop-up fields; telephone dialling; password protection; detailed reporting with multiple rule searches, and more.

\$207

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

#### 2010 data management

### **db-Vista III**

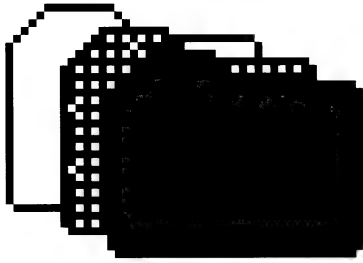
A database designed for use by C language application programmers. Has multiuser capability and supports simultaneous users in either multitasking or LAN environments. Entire source code is available, and the program offers royalty-free run time. Additional modules include: DB-Query for creating a customised query utility, and DB-Revise which is a database restructure utility.

Mac 512K

\$625+

RAIMA Corporation  
Computer Network Systems Pty Ltd





## 2010 data management

Software ranging from the simple (such as HyperCard or Microsoft File) to such powerful relational databases as Oracle, Omnis and 4th Dimension. The issue confronting the buyer here is: how much power do you need, and how much learning you are prepared to invest. Some products (for example, Foxbase+/ Mac or Informix-SQL) also offer compatibility with existing DOS or mainframe-based software, and are suitable for easily exchanging data between systems.

### 2010 data management

#### **dBase IV Runtime PLUS**

Ashton-Tate's "substitute" for a real dBase for Macintosh. The Runtime, not for sale yet, is promised to deliver application compatibility to the Mac. Companies which have invested in large scale development in dBase on PCs, can use their existing applications on the Mac also.

TBA

Ashton-Tate Corp  
MicroAustralia Computer Products Pty Ltd

### 2010 data management

#### **Deft CASE Tool**

3.1

This CASE tool features a fully-integrated set of editors for producing data flow, entity relationship and program structure diagrams, as well as designing screen and report formats. A central data dictionary integrates all system components. Multi-user dictionary provides users with concurrent access to the data dictionary. The Design Controller analyses diagrams for syntactical and logical corrections. Supports Oracle, Ingres, DB2, Informix, Sybase and RDB.

Personal Deft (single user) features a fully integrated editor set and a common data dictionary allowing data attributes defined in one diagram to be used in another. Upgradable to multi-user. Deft's Oracle and Ingres Gateway products translate compiled designs into the host application's development environment, allowing the generation of SQL statements directly from the Deft design. The Gateways also permit an existing RDBMS to be reverse-engineered into Deft and the forward-engineered into a different RDBMS.

POA

Advanced Gravis Technologies  
Sequel Pty Ltd

### 2010 data management

#### **Double Helix**

3.0

An icon driven, object-oriented relational database. The non-procedural dataflow language is particularly easy to master by non-programmers. Unlimited: fields, records, layouts, users/passwords, file relationships, icons, open windows, indexes, number of reports per file,

search/sorting (128 sort levels), files open at once, total files in database. Field length: 32,000 characters. Supports text, numbers, Boolean, date/time, and picture data types. Over 100 visual calculation tiles for arithmetic, trigonometric, date, and text. Boolean, conditional, string and logical operators. Too many features to list. Runtime versions, VAX versions and full support available.

Mac Plus, SE \$700  
Odesta Corporation  
Odesta (Australia)

### 2010 data management

#### **Double Helix MultiUser**

3.0

The MultiUser Kit instantly allows any Double Helix 3.0 application to run on an AppleTalk or EtherTalk LAN. The information or data resides on one Macintosh, called the "host", while the other Macintoshes act as "guests". The host knows what is happening at each guest at all times. Thus, when a change is made at one workstation, it is transmitted to the host, and all the other guests know about it.

You don't need to use a file server like AppleShare or TOPS. The kit includes software for four workstations; software for additional stations is available. Claimed to be the only Macintosh multi-user system to incorporate true database server network technology rather than fileserver technology (which requires the time to copy files back and forth between machines), making it the fastest multi-user system on the Mac.

Includes Double Helix 3.0's totally visual interface, easily modified structure, ad hoc queries, database triggers, sequences, buttons, data protection and reliability features such as AutoSave and Logging. Without modification, any application runs on DEC's line of VAX computers using Helix VMX.

Key Features: Each user has their own custom pull-down menus with complete access controls so that information is share on a need-to-know basis; complete data validation to prevent errors or unauthorized entries; complete control of viewing, adding, deleting, change or printing information on a per form, per user basis; automatic save and automatic external log file to prevent any data loss, even in the

case of system failure; uses multi-threaded searches to minimize query time.

Mac Plus, SE \$700  
Odesta Corporation  
Odesta (Australia)

### 2010 data management

#### **Easy4D**

A programming toolbox and application shell for creating professional custom databases in 4th Dimension. Features include: keyword search; indexed search; search, sort, report, switch files; multiple input and output layers in each file; easily configured preferences system; multi-user aware; word processing and mail-merge capabilities; extended debugging; and 300 pages of illustrated documentation.

\$US299

Ciasa  
Softies

### 2010 data management

#### **File Force**

Little brother of 4th Dimension, File Force is the relational file manager for the rest of us. It stores text, numbers and calculations, dates, times, pictures, and Yes/No fields. It is claimed to be very fast.

POA

ACI France  
Softies Pty Ltd

### 2010 data management

#### **FileMaker Pro**

1.0

The successor to FileMaker II, with more than 100 new features, especially for flexible, graphics-rich formatting and report generation, with workgroup and multi-user features. Multi-file lookups relate information, without requiring users to become programmers. Innovations include Buttons and menu-driven enhancements to Scripts, which allow literally any of the program's commands or series of commands to be automated. Workgroups of all sizes can share FileMaker Pro databases, without the need for a file server. FileMaker Pro incorporates Claris XTND, which allows the import of TIFF, PICT, EPS and bit-mapped graphics, and reading and writing of tab or comma separated text, WKS, SYLK, DBF, DIF, BASIC and merge formats. The on-line HyperCard-based Help, as well as dictionaries and spell checker, can be customised and shared by other Claris products. Available in single units, in multiple packs, and by site-licence.

Mac Plus, SE \$475; upgrade \$125  
Claris Corporation  
Micro Australia Computer Products Pty Ltd.

### 2010 data management

#### **FoxBase+/MAC**

2.0

FoxBase/Mac is based on the DOS version of FoxBase+ and contains virtually all of the features of v2.10. Compatibility extends to file formats and entire applications as well. Also supports many new commands and features including true windowing, full mouse support, colour and AFP networking. 1Mb of RAM is required.

\$

Fox Software  
MicroAustralia Computer Products Pty Ltd

**Hyper D/A** 1.2

A DA which allows users to open and browse a HyperCard stack from within any application, even when HyperCard is not present. You can copy text and graphics from a stack to the Clipboard, and even search a stack. Windows give stacks window-like features; most stacks work as in HyperCard, with real buttons and fields. Works with 512K, but 1Mb RAM recommended. Version 1.2 allows you to add or change information in your text fields.

Mac 512K \$110  
Symmetry Corp  
Halldale Technologies

**InfoCentre** 1.0

Provides extensive mailing list management. Functions include de-duplication by name or company, up to five categories per contact, automatic mail centre lookup for bulk mailing, form letters, form faxes, client follow-ups, etc.

Mac Plus, SE \$1,000  
MaxSoft Pty. Ltd.  
MaxSoft Pty. Ltd.

**Informix SQL and 4GL Family**

A fourth generation programming language designed for database application development. It offers a ten-to-one programmer productivity increase over more traditional third generation programming languages such as C and COBOL. Two additional tools, the Informix-4GL Rapid Development System and Interactive Debugger reduce application development time through the use of a pseudo-code system and a facility for interactive debugging during programming. A range of Informix tools expand the versatility of this system, such as: Informix-SQL: A menu driven application development tool for end-users and programmers. It provides easy access to sophisticated application development tools, context-sensitive Help and data management utilities. Full featured applications can be built using Informix-SQL. For Unix platforms. Informix Sterling Mainframe Access: Gives Informix users access to information on IBM mainframes through a joint Informix-Sterling Software Inc agreement. Informix Online: A multimedia DBMS designed exclusively for Unix environments. Users can store large objects such as spreadsheets, word processing, digitised images and voice as ordinary fields in a database record. Thus, previously disparate pieces of information can be organised and accessed through SQL. Informix Network-Ready Tools: Supports DOS network standards including Novell NetWare, 3Com 3+, IBM PC LAN Program, and AT&T StarGROUP, giving users the ability to share information from Informix applications. Informix Net: Connectivity software that provides database applications in a client/server architecture. The front end resides on a DOS, Unix or Mac workstation, while the actual database engine is on a Unix server.

Supports TCP/IP and StarGROUP.

Informix-Quickstep: An interactive report generator that enables users with no experience in SQL syntax, to build SQL database queries and custom reports through an easy-to-use interface. Optionally generates Informix-4GL code. Informix-SE: An SQL database engine for smaller MIS organisations that require light transaction processing for more traditional decision support applications. Informix-Star: Distributed database software enabling users to access and manipulate data from Informix-Online databases on multiple, remote servers. A/UX 1.1 POA  
Informix Software Inc  
Keyway Computers

**MacList** 1.5

DA list manager and spreadsheet-like database. Sorts up to three levels deep and searches for any string of characters. Converts list entries to SmartAlarms; pulse and tone dialling via modem, "calculate now" function; additional font styles and sizes stored in "remember Settings", enhanced "Search" includes "contains" statement to find text in any field, not just the first; "show All" redisplay whole list; "Sort" operates through pop-up menus.

All Macs POA  
JAM Technologies  
JAM Software

**MARS** 1.5

A multi-user archival and retrieval system for storing documents, replacing microfiche. A typical MARS system would use the Apple Scanner or a Fujitsu high speed scanner, multiple on-line Panasonic WORM optical disks, and the Palantir Recognition Server OCR for capturing documents and storing them for ultra-fast retrieval.

Micro Dynamics POA  
Delairco

**Membership Manager** 1.3

Comprehensive mailing/billing system for organisations such as RSL clubs. Handles cash receipts, membership status and accounts, publication sales, stock control, and conference booking and accounting. Also handles general accounting. Multi-user version (up to five users).

\$9,000  
Australian Database Accounting  
Diprose House Consulting

**Microsoft File** 2.0

A "flat" (non-relational) database filing system. Places information on flexible forms. Search, sort and sum on any field. Simple maths operations, averages, counts and logical operators. Can be used with word processors to produce form letters from File address lists.

\$325  
Microsoft Corporation  
Micro Australia Computer Products Pty Ltd.

**Odesta Document Management System (ODMS)** 3.0

Takes care of the procedural and logistics side of data management. A version for the publishing industry, for example, copes with deadlines, sign-offs, and snapshots that allow managers to ascertain how a project is progressing. Can pre-define where a document will go over the network when users finish with it, and it moves all relevant documentation with it to the destination, regardless of which and how many applications created the various pieces of "paperwork" which comprise the project. Thus, without leaving ODMS, you can open a file: as you open your project "parcel", the component files appear in a window with their original icons.

POA  
Odesta Corporation  
Odesta (Australia)

**Omnis 5**

A programmable multi-user relational/hierarchical database that can be used for developing turnkey business applications with very high volumes of data entry. Links to PC-compatible version (also offers SQL and Oracle interfaces). Includes Omnis Express tools for automating the process of building libraries or applications, working menus, report generation, etc. Offers 2,000 formats per file, of unlimited size; field names up to 15 characters; 60 files open simultaneously; maximum file size: 2,560Mb. Features include: full colour graphics included in window design or stored in the data file; text data displayed in any font or colour; HyperCard-like buttons; user-defined menus; WYSIWYG reports; variable length records, data from different files can be displayed on any window, and more. Comes with proprietary XCMDs and XFCNs which allow HyperCard, SuperCard and MacroMind Director to query Omnis 5 databases either locally or on a network. Provides HyperCard access, "hot button" areas, visual database capabilities and greater layout flexibility; can handle colour PICT graphics. Data from different files can be displayed in any window. Provides "ghost" lines for developers to ascertain the edge on smaller screens. A set of internal commands provides communication with CL/I database servers. Arrays created with older versions of Omnis are not necessarily compatible with Omnis 5, but can be converted.

\$1,125  
Blyth Software  
Solutions

**PLUS** 2.0

A graphical object-oriented programming environment, fully HyperCard-compatible. Produces multimedia, training, and informational applications. Includes its own drawing environment and scripting language.

\$795  
Mac Plus, SE  
Spinnaker Software Corp  
Trio Technology

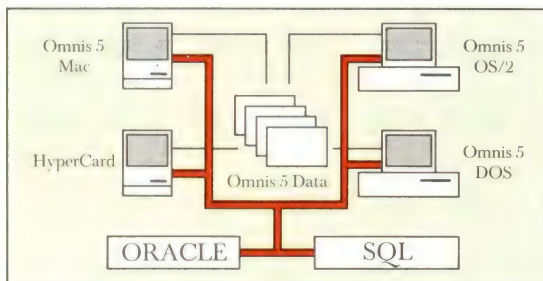
# Omnis 5.

## Corporate database management with all the right connections.



Like most companies, your corporate databases are probably spread over a number of different sites on different microcomputer workstations.

Now you can truly benefit from this valuable corporate information resource. Omnis 5 is the corporate database and applications development system that can make all the right connections - with Apple Mac, IBM and compatibles. Each version of Omnis 5 shares a common data and applications file structure and a unique multi-window environment to give easy access.



Omnis 5 not only allows you to standardise mixed microcomputer workstations at different sites but also to access data from mainframes and minis concurrently. It even supports optional links to ORACLE and CL/1 SQL dataservers.

The system is fast (accessing one from 500,000 random records in 0.1 sec) and it is powerful (updating 60 separate files simultaneously). Its programming language has over 200 commands which are entered by a unique 'point-and-click' technique.

What's more, Omnis 5 is truly multi-user - allowing up to 451 concurrent users on a network access to the same (or different) databases from Macintosh, DOS and OS/2 workstations. Applications can be ported seamlessly between different machines on a mixed network.

So why not discover how to make the right connections for yourself and invest \$50 in our fully functional demonstration pack (refundable against your purchase of the full system).

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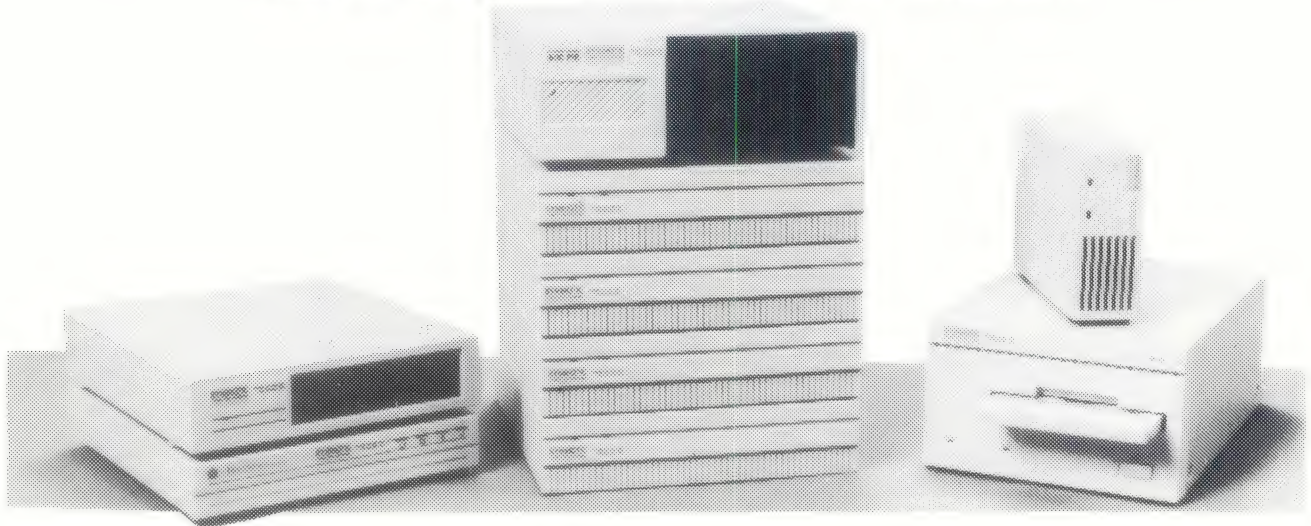
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										OPTICAL	
Formatted Capacity (megabytes)	20.5	31	46	42.7	80.7	102	149	347	654	285	960
										PER SIDE	
Av Access Time (m sec)	40	28	28	20	19	25	20	16	16	50	16
Disk Transfer (mb sec)	1.5	1.5	1.5	1.25	1.5	1.66	1.75	1.75	1.75	—	1.75
Auto Parking				Automatic on power off							
System Requirements	45	45	45	30	45	20	50	200	200	40	100
MacIntosh Plus, Portable, SE, SE/30, II, IIx, IIcx, IIci, IIfx											

  
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COMPUTER SYSTEMS

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#### 2010 data management

### SQLTime 1.0

An extension of RagTime 3 that allows access to databases that support SQL queries (includes Oracle, Ingres, RDB and Sybase databases). Commands are sent from RagTime 3 documents, and data received from the database is inserted into the appropriate document.

All Macs \$375  
MacVonk  
PICA Pty Ltd

#### 2010 data management

### SuperCard 1.5

HyperCard-like freeform database creates customised Macintosh applications that look, feel and work like regular commercial software, from simple productivity applications to full colour multimedia animations. Dozens of extensions to the original HyperCard make this far more than a "copy" or a "clone", such as colour, multiple windows, extensions to HyperTalk.

All Macs \$475  
Silicon Beach Software Inc  
InfoMagic Pty Ltd

#### 2010 data management

### TopDown 2.0

A design and documentation tool for business and systems use. Offers good online Help; easy to structure linked, hierarchical drawings. Graphically breaks complex problems into manageable tasks. Explode symbols into multi-page drawings showing the details. Connect symbols with lines that "remember" the relationship and reconnect when the symbols are moved; auto line rerouting with collision detection. Features colour, customized icons, Post-it style notes, multi-style text for labels, reports and on-line documentation. Exports text as an outline.

All Macs \$465  
Kaetron Software Corp  
Techflow Pty Ltd

#### 2010 data management

### Wingz-Datalink

Links desktop computers with SQL databases, using point-and-click options. Includes a user-selectable option for connecting through CL/1 to any SQL database on a DEC VAX computer. Simple for non-SQL literate users, but at the same time developers can create highly integrated interfaces and applications. Informix database software is claimed to run on more than 450 Unix, DOS and OS/2 platforms.

POA

Informix Software Inc  
Keyway Computers

#### 2011 data resources

### BMUG Public Domain CD-ROM

This disk includes over 250Mb of public domain, ShareWare, and free software, clip art and international bulletin board threads available for the Mac. Secured and tested by BMUG, the Berkeley Macintosh User Group.

Mac Plus, SE, II \$195  
Discovery Systems  
Firmware Design

#### 2011 data resources

### Eadweard Muybridge: Motion Studies

This videodisc features the pioneering photography of the man considered to be the first motion picture artist. The disk contains over 900 plates, 132 of which have been edited for display as fully animated sequences. Australian Macworld featured in November last year a series of Muybridge animations in HyperCard, developed by Trevor Clarke in Melbourne. We had no idea Voyager was up to the same.

POA

The Voyager Company  
Firmware Design

#### 2011 data resources

### Heizer Software Catalogue

Catalogue of fully debugged custom applications and special utilities. Some examples (all prices in \$US, and you can only obtain these direct from Heizer): Small Business Accounting System \$79, House Construction Cost Estimator \$79, Aviation Maintenance Log \$7, Mailing Label Macro \$15, Business Plan \$15, Organisation Chart Maker \$8, Bankruptcy Prediction \$15, Economic Ordering Quantity \$25, Psychometry \$15, Storage Hopper Designer \$25, Structural Steel \$12, Swine Enterprise Analysis \$40, Fertilizer Cost and Payback \$15, Sprayer Calibration \$14, Vitamin and Mineral Database \$5, Rule of '78 \$10, Photographer's Assistant \$50, Horse Race Analyser \$15, A History of Nuclear Weapons \$33, Oscar Nominees \$15, Chinese Clip Art \$30; tutorials for Excel, stacks and utilities for SuperCard and HyperCard. 56 pp. If you are after a huge selection of HyperCard stacks, get hold of Heizer's catalogue. Less well known, and certainly worth exploring, is Heizer's enormous collection of Excel utilities. Sold as canned macros, these provide ready-made Excel templates for most business purposes, and at the cost, will recoup you the money many times over in saved in-house development time. A quick round robin revealed that relatively few make use of the macros in Excel, and those who do, have a limited range of completed applications. The principals of Heizer said they were happy to sell directly to Australia, and will not appoint a distributor — the low cost of their products does not permit the inclusion of a middleman, so if you want these, go directly to Heizer.

Heizer Software, 1941 Oak Park Blvd., Suite 30, PO Box 232019, Pleasant Hill, CA 94523.

Heizer Software  
Heizer Software

#### 2011 data resources

### Inside Information

1.0

A comprehensive reference tool which organises the English language into logical categories of defined words. Works as a DA and allows you to access information and definitions in over 700 categories and 65,000 root words, from any of seven general classes of subject matter: Nature, Science and Technology, Domestic Life,

Institutions, Arts and Entertainment, Language, and The Human Condition.

Mac Plus, SE \$189  
Microlytics Inc  
Trio Technology

#### 2011 data resources

### The Electronic Whole Earth Catalogue

CD-ROM of legendary book containing interesting snippets of information about a huge number of products and resources. The interface of the CD-ROM is good and it uses the linking of HyperCard well. There are 9,000 or so article cards organised into 13 domains, 60 sections and 400 clusters. The interface has a pop-up menu that allows you to jump back up the hierarchy of domain, section, and cluster; also has an alphabetical index, contents list and a quick search which allows a search of either the entire catalogue or just one domain for occurrences of a particular word. The articles are extensively cross-referenced. However, the reviewer (an otherwise froody guy who knows where his towel is) felt it had lost its random hippiness by not being a portable like — hey man! — a book. Jeez some people are picky.

Any Mac \$250  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2011 data resources

### Time Table of Science and Technology

CD-ROM "encyclopedia" retrieval system. The history of scientific development traced interactively. 3D hypermedia, 300Mb listing 6,000 important events taken from 50 major reference works.

All Macs \$325  
Xiphias  
Firmware Design

#### 2020 resource management

### AEC Information Manager

User-definable software designed specifically for the management and tracking of projects, activities, documents, scheduled processes and people. Flexible report formats: users can combine columnar and graphic data in the same report, while also supporting colour display and printing. Updates related reports automatically when ever new data is entered. Programmable alarms, custom work schedules, notepads, time-dependant fields, automatic calculations for start dates, finish dates and duration, and powerful reporting and graph capabilities make it possible to monitor and manage any amount of information.

\$920

AEC Management Systems Inc.  
MicroAustralia Computer Products Pty Ltd

#### 2020 resource management

### KeyPlan

An Australian-developed management planning application featuring integrated outlining (to which time and cost details may be appended). A chart view displays any project element in a line graph across the life of the project, with four other



views available. Its draw, style and formatting features make it a useful presentation tool. Educational version also available for \$347.

Mac Plus, SE \$495  
InterKey  
Keyway Computers

#### 2020 resource management

### MacProject II 2.1Bv3

Project planning tool for managing resources, time and cash flow, etc., to create project plans, optimise schedules and resource loads. Offers multiple views and reports. Features an automatic (interactive) resource leveller; multiple project resource analysis; subproject linking and consolidation; unlimited number of calendars; data import/export to and from spreadsheets and databases; project calculation on either actual or planned data; an extensive spelling checker that is shared with other Claris products; an online customisable HyperCard-like Help system (also shared with other Claris products); extended search capability; multiple charts on screen; A/UX 2.0 compatibility. Available in single units, in multiple packs and by site licence.

Mac Plus, SE \$775  
Claris Corporation  
Micro Australia Computer Products Pty Ltd

#### 2020 resource management

### MacSchedule 2.0

A visual schedule design and presentation application that automates the design and creation of GANTT schedule charts. Charts can be printed or exported to desktop publishing programs.

All Macs \$395  
Mainstay  
PICA Pty Ltd

#### 2020 resource management

### Marco Polo 1.0

Provides workgroup archival and retrieval of Macintosh documents, archived as images, native files or image with attached native file. Archive images can be created from within any application or batch processed. Documents can be retrieved by author, creation date or content. Hypertext cards with buttons can be created for repetitive searches. Multiple document centres can be created with password protection for individuals or groups.

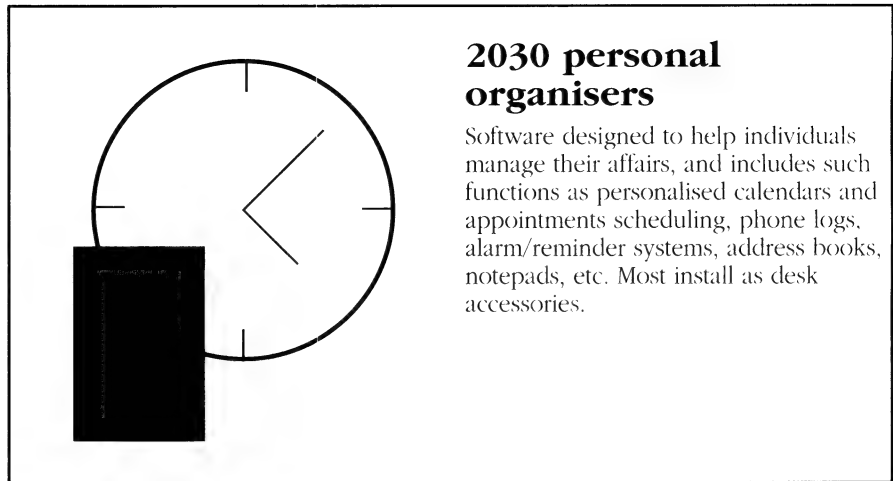
All Macs \$395  
Mainstay  
PICA Pty Ltd

#### 2020 resource management

### MicroPlanner 6.01f

Resource and project management with data and operational compatibility between the Mac and Windows 3.0. Data transfer and management to other software via Project Exchange. View and report on up to 4 separate schedules at any one time. Project Exchange (version 1.08) is a data manager for MicroPlanner v.6.0. Will import and export most standard formats, edit copy and clone sections of existing (library) projects.

Mac Plus, SE \$850  
Micro Planning International  
Micro Planning Australia Pty Ltd



## 2030 personal organisers

Software designed to help individuals manage their affairs, and includes such functions as personalised calendars and appointments scheduling, phone logs, alarm/reminder systems, address books, notepads, etc. Most install as desk accessories.

#### 2020 resource management

### MicroPlanner X-PERT 1.1

Project management that combines the best features of MacProject II and Micro Planner v.6. Suited to the most complex projects, it can be used at a simple level. Import project files from small systems for enhanced processing. Nineteen standard report forms plus unlimited custom reports. Evaluation sets available for an extra \$100.

Mac SE \$3,000  
Micro Planning International  
Micro Planning Australia Pty Ltd

#### 2020 resource management

### SuperTrack 1.2

A management information system used to link project control, job costing and tracking, plus resource management with a complete financial system incorporating debtors, creditors, bank management and general ledger. Features include multiple companies, multiple bank accounts, and multi company consolidation.

Mac Plus, SE \$3,000  
MaxSoft Pty. Ltd.  
MaxSoft Pty. Ltd.

#### 2030 personal organisers

### C•A•T III 3.0

A pre-programmed, fully relational database (née "Contacts, Activities, Time") that handles form letters, projects, accounts, timed messages, tactics, follow up and more. The program dynamically links phone calls and meetings with a list of names from an address file. Designed for professionals such as sales people, brokers, bankers, and executives who maintain elaborate lists of clients and contacts. Offers three major integrated components. The first is a list of companies and contacts; from this you build custom lists. Second is the activity list where you define activities and link them to contacts. Third is the calendar, which lets you view selected activities over time. Price varies with number of users. Upgrades available.

Mac 512K \$615+  
Chang Labs  
Keyway Computers

#### 2030 personal organisers

### Family Matters

Family Matters helps you to organise and retrieve important information about

yourself, family members, home, finances, vehicles and even pets!

Any Mac \$60  
Springboard Software Inc  
Dataflow Computer Services Pty Ltd

#### 2030 personal organisers

### Multi-User Appointment Diary 3.01

Workgroup software. A complete desk accessory system that creates a network of shared calendar information for users on an AppleTalk network. Takes full advantage of access privileges provided on network servers including AppleShare and TOPS. Comes with Smart Alarms, an on-screen reminder utility.

\$308+

JAM Technologies  
JAM Software

#### 2030 personal organisers

### QuickDEX

A free-form database desk accessory, for storing and retrieving simple information. Finds data in 7/10ths of a second, regardless of how the information was entered. Cut and paste into any application. Features auto-dialling and printing. Use as a phone book, or electronic Post-It note system.

\$116

Casady & Greene, Inc  
Solutions

#### 2030 personal organisers

### Smart Alarms and Appointment Diary 3.0

DAs providing a flexible time management system. Single-user version of Appointment Dairy free with Smart Alarms. The multi-user version is compatible with networks. Diary features freeform text entry up to 5,000 words per day and an auto-layout mode for individual customising. Two months can be viewed on screen at any time for any day of any year. Printing schedules need only be set once. The multi-user version allows for up to 22 users, with diary files located on any disk. Reminds you of up to 1,600 periodical and other events, each with its own message, cycles from daily to yearly. Offers a "Nag" Dialogue and message. Version 2.0 allows for variable procrastination and Command key control. RepairReminders utility available



# MacAcademy™

The *Easiest* and *Least Expensive* way to learn the Macintosh

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Now you don't have to learn the hard way!

MacAcademy is the largest and most respected training company in the United States, devoted exclusively to the effective use of the Macintosh computer.

MacAcademy this year will be held in over 100 American cities, and nearly 20,000 people from 7000 companies will attend training sessions.

Many large American corporations such as NASA, General Electric, Motorola and Mobil Oil have contracted with MacAcademy to conduct specialised, on-site training workshops.

As a logical extension to these workshops, the company has since 1988, developed a video training programme that offers 36 separate training tapes – now they're available in Australia and New Zealand.

## MacExpo

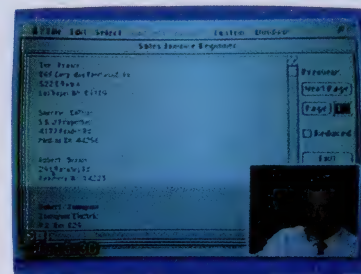
Sydney Convention Centre  
Darling Harbour  
October 18-20

MacAcademy instructors are flying from the United States to offer seminars at MacExpo and to assist in the launch of the Australian MacAcademy.

We will have a large stand at the Sydney MacExpo and our instructors will be giving classes in PageMaker, FileMaker, Microsoft Word and Microsoft Excel.

Check the MacExpo ad in this edition of *MacWorld* for details.

## Easy Learning



MacAcademy training tapes let you see what's actually happening on the Macintosh screen, and most important of all you're face-to-face with your instructor.

An on-screen digital counter makes it easy to pick up where you left off

**ORDER FORM  
NEXT PAGE**

## Time is Money

These unique training tapes will show you and your staff how to effectively learn a programme and show you short cuts and features that can save you hours of time.

### In This Video You Will Learn :

CONTENT	COUNTER		COUNTER
• Calculation Precision	00:00:00	• Set Print Area	00:31:00
• Worksheet Protection	00:02:55	• Sorting	00:36:30
• Databases	00:12:20	• Database Entry	00:44:00
• Database Criteria	00:16:00	• Linking Spreadsheets	00:50:00
• Database Summary	00:21:00	• Charts and Graphs	01:13:00
• Database Extraction	00:32:00		

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**MacAcademy**

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for the repair of damaged Reminder files (\$10). A utility is included in the latest upgrade of Smart Alarms and Appointment Diary, to provide uploading and downloading to the Cambridge Z88 laptop with both append and replace features.

JAM Technologies \$123  
JAM Software

#### 2040 integrated packages

### Microsoft Office 2.0

Includes Microsoft Word, Excel, PowerPoint, File, Mail and Works. CD-ROM version also available \$1,595

Microsoft Corporation  
MicroAustralia Computer Products Pty Ltd

#### 2040 integrated packages

### Microsoft Works 2.0a

Integrates word processing, spreadsheet, database, communications and drawing, and in version 2.0 macros have been added, along with a spelling checker, a larger spreadsheet and a new set of drawing tools to improve its desktop publishing capabilities. It supports colour for the Mac II, print preview, and more flexible reporting from the database. It includes a learning stack executed in HyperCard.

Microsoft Corporation \$480  
MicroAustralia Computer Products Pty Ltd

#### 2040 integrated packages

### TagTime 3 3.04

An integrated document processing program (word processing, multiple spreadsheets, graphics management, charts and forms in a powerful page layout environment). Features include: a WYSIWYG editor, page layout tools, multiple spreadsheets per page, linked spreadsheets, forms design, graphics import and image manipulation, spelling checker, and business graphics. Versions are available in most European languages.

All Macs \$975  
MacVont  
PICA Pty Ltd

#### 2040 integrated packages

### WordPerfect Office for Macintosh

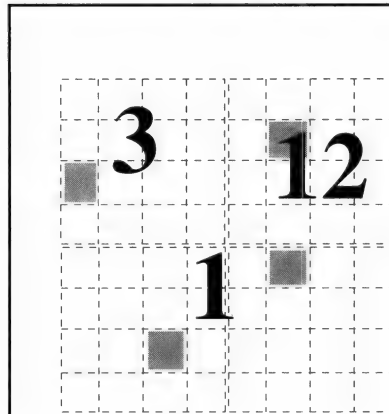
A compilation of business productivity tools. The E-mail module works across LANs and also permits tracking, retraction, sensitivity protection, tele-talk, and broadcast function. Calendar allows memo scheduling, appointments, to do list, and autodate repetitive tasks. Notebook is a flat-file database manager for company-wide or personal databases with sort, search and auto-dial. File Manager permits file/folder copy, delete, rename, move, search within files on text string or word matches. Requires AppleShare, TOPS or NetWare.

Mac 512Ke  
WordPerfect Corporation  
Dataflow Computer Services Pty Ltd

#### 2050 decision support

### Extend 1.2

A behavioural simulation and modelling application, supporting discrete and continuous event simulation based on a



top-down, system level approach to design and modelling. Block diagrams composed of custom icons with user defined behaviour are connected together and the results of the simulation are plotted and presented in tables. Custom libraries of icons with dialogue boxes, on-line Help and compiled scripts can be created. A complete manufacturing library is available.

All Macs \$895  
Imagine That Inc  
PICA Pty Ltd

#### 2050 decision support

### Tactician

Featuring in detail "the War Room" as a concept in marketing. The ideal War Room looks like the Pentagon, with huge map displays on a wall, preferably fed data through host database connections (most Mac and mainframe databases supported), augmented by Executive Information Systems created via Wingz or Excel and Tactician. Developed with the assistance of Apple Computer, for use by marketing planners and managers, for retail trade area analysis, merchandise planning, sales territory balancing, consumer promotions cost control, advertising, and direct mail targeting. Access to Oracle, Sybase, RDB, Ingres, Informix, etc.

II/II(c,i)x series only  
Comstock  
none/TBA

#### 2060 spreadsheets

### 4D Calc

Not a replacement for a full spreadsheet, 4D Calc adds another dimension by its tight integration with a fully relational database, 4th Dimension. The spreadsheet can be used as an area on a 4D layout, as a document in an independent window, as a field in a record, or as a template which is reflected in each record. The worksheet size is 8190 rows by 256 columns, comes with over 40 inbuilt functions, over 70 procedural commands, variable row height and column width, search functions, and numerous options on the presentation side.

ACI France  
Softies Pty Ltd

## 2060 spreadsheets

One of today's major business tools, spreadsheets range in power and complexity. The same caveat as for buying word processors should be heeded here: know your needs. Make sure you are not paying money and sacrificing speed for features you will never use. Conversely, if you need power, and the "presentation" quality of the spreadsheet material is important, a number of packages now offer much improved data formatting, data import/export, and output capabilities.

#### 2060 spreadsheets

### Full Impact

2.0

Intended to compete with Microsoft Excel, Full Impact combines a powerful spreadsheet with built-in text editor and graphics tools for easily mixing numbers, text and graphics in the same document without resorting to other applications. The spreadsheet offers a matrix of over 500,000 cells (2048 rows by 256 columns); virtual memory to manage worksheets larger than available RAM; ten supplied chart types, all hot-linked to the data; 'zoom' facilities (a miniaturised preview of up to 64 pages of a spreadsheet document before printing); and two levels of password security. Eight worksheets can be opened at a time. Version 2.0 imports and exports Excel 2.0 files, and import Excel 1.5, along with numerous other formats; it also adds 3D colour charts which can be moved by dragging, an expanded FullTalk application development language and report generator, customisable icons for frequent commands.

All Macs \$650  
Ashton-Tate Corp  
MicroAustralia Computer Products Pty Ltd

#### 2060 spreadsheets

### Masquerade

The first spreadsheet compiler for Macintosh. SYLK file compatible; and in addition it supports most popular Excel macros and functions. By compiling your particular calculation module, others may be handed a standalone application which does not require the spreadsheet application which built it, nor a full knowledge of spreadsheets to operate. Tamperproof module. Many organisations could save a bundle on on-site licences for their spreadsheets if only prime users needed their copies.

Mac Plus, SE n/a  
LegalWare  
none/TBA

#### 2060 spreadsheets

### Microsoft Excel

2.2

The most established spreadsheet on the Mac, with integrated graphing and macros. Features include: active sheet linking (to allow automatic transfer of information

# MacAcademy

## 45 Macintosh Video Training Tapes

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\* To be released shortly

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from dependent sheets to a master sheet); user-defined functions; array-handling and two-way file compatibility with Lotus 1-2-3. The spreadsheet size: 16,384 rows by 256 columns (up to 4 million cells). Creating macros doesn't require learning complex programming routines. Charts are dynamically linked. Offers 42 built-in chart formats to which legends, arrows and other symbols can be added to clarify or stress parts of the finished graph. Incorporates database functions. Now in colour. Compatible with large screens and the AppleShare network.

Microsoft Corporation  
MicroAustralia Computer Products Pty Ltd

## 2060 spreadsheets **Wingz** 1.1

A spreadsheet, desktop presentation, and applications development tool all in one. More functionality than Excel, featuring 3D, rotatable colour graphs which appear anywhere on the same spreadsheet; a full set of presentation tools (text and graphics, incorporation of scanned graphics); variable row heights; print preview; an unlimited number of definable charts; 32,000 x 32,000 cells; minimal and background recalculation; row/column order recalculation; multiple database sort keys; macros and an English-syntax programming language; user-definable menus and buttons; WYSIWYG support; network support; automatic file-locking, file encryption and security passwords for multi-user applications; Excel and Lotus import/export (among others); a range of business/financial functions; and support for CL/1 and SQL. Includes Wingz HyperScript language, an English language based development environment to aid non-programmers and professional programmers in customising applications. Wingz-related packages include: Wingz 6 Pack, Wingz LAN Pack, Wingz Education, and Wingz Education LAN Pack. Wingz Datalink is also available to link with databases (see separate entry)

Mac Plus, SE \$699  
Informix Software Inc  
Keyway Computers

## 2070 numerical analysis

### **C Math Solvers**

By adapting high-quality algorithms from proven FORTRAN libraries and adding others, Paracomp has created a select family of C language routines for implementing scientific and engineering computations on the Macintosh. Much of this has only been available in FORTRAN before. C programmers had been waiting for something like this for years. The Macintosh is also the first computer platform to get them.

Paracomp Inc  
Firmware Design

## 2070 numerical analysis **Data Desk Professional** 3.0

A desktop data analysis environment that computes statistics and produces advanced graphics. Designed to support the process of analysing data where a user may not know

what is in the data at the start. Features include: multidimensional rotating plots, plot brushing, full integration of graphics and statistics, and HyperView links among windows. HyperViews are hypertext-based; they suggest related plots and analyses based on built-in intelligence and expertise. Supports colour graphic displays. Complete range of statistical analyses supported, too numerous to elaborate.

Mac Plus, SE \$750  
Odesta Corporation  
Micro Australia Computer Products Ltd

## 2070 numerical analysis **DataTree** 1

Decision and probability analysis (as used by McKinseys and other management consultants). Student and educational versions also available.

Mac Plus, SE \$999  
TreeAge Software  
Oxford Systematics

## 2070 numerical analysis **DeltaGraph** 1.5

A graphing/charting package that comes attached to a useful spreadsheet. Offers a range of graph options - bars, pies, lines, surfaces, and a table chart. Permits rotate and temporary rotate, and illustrations on the graph itself or its background. Data by direct entry; "warm" linked to Excel; opens Cricket Graph data files; reads WKS, SYLK, and tab- or comma-delimited text. The spreadsheet comes with an extensive range of functions. Imports and exports to Illustrator, PICT, or EPS formats, although its shadings, symbols, and fills may not be accessible to the export application. Claims to support QuickDraw plotters, but doesn't specify which ones. The manual suggests the chart style to suit the type of data, and illustrates the construction of each. Version 1.5 will work with ATM. Provides on-line Help, monochrome and colour sample documents, and an editable font of DeltaGraph symbols. Supports users on CompuServe. MultiFinder and Mac II friendly.

Mac Plus, SE \$349  
DeltaGraph  
Trio Technology

## 2070 numerical analysis **FASTAT** 2.1

Aimed at the non-specialist market, it features the tools for exploratory data analysis, allowing the linking of graphs and the editing window, and of graphs with other graphs. It offers multi-way tables, two "factor analysis" algorithms with various automatic rotation options. Provides online explanations of statistical terms; users can edit Help files with a text editor or word processor and add in what's missing (useful in an educational context). It only handles 50 variables in a file, does not support single precision files, has limits in variable naming; lacks flexibility in the way multiple output is displayed. Requires a hard disk; Mac II version can use co-processor. MultiFinder-friendly.

Mac Plus, SE, II \$350  
Systat Inc  
Heame Marketing Software

## 2070 numerical analysis **IPSS** 1

Full population modelling system with excellent graphics: ideal for market analysis, planning, and more. Developed by the Population Specialist Centre at Bowling Green University in Ohio specifically for demographic and marketing applications. The 68000 version: \$695; the 68020/30 version: \$995.

Mac Plus, SE \$695+  
PSRC Software  
Oxford Systematics

## 2070 numerical analysis **JMP** 1.0

A statistical visualisation and exploratory program, which presents statistics in a graphical way. Data is managed by a data table in spreadsheet form, using a unified approach to statistics. An educational module, JMP In, is also available; that can only import/export data tables of up to 500 cells.

All Macs \$1,000  
SAS Institute Inc  
SAS Institute Australia

## 2070 numerical analysis **Lindo**

Mathematical programming systems. Lindo: General purpose, very friendly linear, integer and quadratic programming system (from \$995). Lingo: Interactive language for linear and integer programming, probabilities, etc. included (from \$995). Vingo: Visual Interactive Optimiser, via Excel as the host: integer and free variables, \$795. Gino: Family of linear and Non-linear programming systems (from \$495).

Mac Plus, SE \$495+  
Lindo Systems  
Oxford Systematics

## 2070 numerical analysis **MASS** 3.9

A statistical package featuring multi-strata, 7-factor AOV, powerful survey tabulation, loglinear modelling, Command and Batch entry options together with such standard facilities as summary statistics, plots, graphs, multiple regression, etc.

Mac Plus, SE, II \$450  
Westat Associates Pty Ltd  
Westat Associates Pty Ltd

## 2070 numerical analysis **Mathematica** 1.2

A general system for mathematics that supports interactive and symbolic calculation. Numeric calculations support arbitrary precision arithmetic, special function evaluation and matrix operations. Symbolic operations include calculus, equation solving and power series expansion. Graphs can be generated in 2D, 3D, contour and shaded form and exported as PostScript to popular applications. Equations can be exported as C, Pascal and TeX code. Separate versions exist for the MC68000 and MC68020 CPUs.

All Macs \$965-1,535  
Wolfram Research Corporation  
PICA Pty Ltd

**Milo - The Maths Processor 1.0**

A WYSIWYG problem solver that combines mathematical calculations with graphics and text. Expressions can be created, modified and simplified using the built-in table of formulae. Milo supports algebra, trigonometry, calculus and matrices, and can graph functions of one variable and parameterised curves. Text, graphs and expressions can be included on any page of a Milo document.

All Macs \$360  
Paracom Inc  
Firmware Design

## 2070 numerical analysis

**RATS 3**

Advanced econometrics package by US Reserve Bank staff – well proven, fast. Ridge regression, logit, probit, and a huge range of times series techniques. Extendible using the RATS internal language, and fully compatible with the MS-DOS version of RATS. An OECD data set service is also available. 68000 version: \$800; 68020/30 \$999.

Mac Plus, SE \$800+  
Doan Associates  
Oxford Systematics

## 2070 numerical analysis

**SPSS for the Mac**

Sophisticated data analysis package containing the same features offered on other platforms, including programming tools, but using the Mac user interface. Statistical routines include: descriptive statistics, cross-tabulations, frequencies, analysis of variance, non-parametric tests, regression tests, multi-dimensional scaling, reliability and cluster analysis. Generates a variety of plots using CA-Cricket Graph, and the optional SPSS Tables produces tabular reports. Data management facility permits reorganisation, cleaning and transforming of data. Other facilities allow for labelling, weighing, and formatting data for display. Inputs fixed and comma delimited files; and hierarchical, grouped and mixed files. Allows user to aggregate, sort, and merge files, and write flat files to share with other software programs. Two versions available: standard, and using a maths coprocessor.

SE, SE/30, II series \$1,750 +  
SPSS Inc  
Hearne Marketing Software

## 2070 numerical analysis

**StatView II 1.0**

An interactive and visual statistical data analysis package capable of plotting a number of basic charts. Statistical computations include: mean and standard deviation, median, mode, geometric mean, harmonic mean, kurtosis, skewness and frequency distribution. Performs comparative statistics; one and two sample paired/unpaired T-tests; simple/multiple and polynomial regressions; one- and two-way Anovas; Chi-square and the most commonly used non-parametric statistics; multivariate analysis; step-wise regression; 1 to 4 way ANOVA's; 8-row by 8-column contingency (frequency)

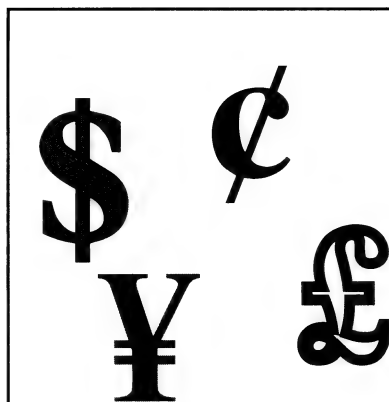


table analysis. View results by tables, scattergrams and line chart views. Frequency distribution with unlimited user-specified intervals, and multiple comparisons using Fisher's LSD and Scheffe's procedure, Wald-Wolfowitz runs, Mann-Whitney-U, Kolmogorov-Smirnov, Wilcoxon Signed Rank, Kendall Rank & Spearman rank-order correlation co-efficient, Kruskal Wallis, Friedman. 68030-based Macs only \$725  
Abacus Concepts Inc  
PICA Pty Ltd

## 2070 numerical analysis

**StatView SE+Graphics 1.0**

A statistical analysis and presentation graphics program. It supports a wide range of descriptive, comparative and multivariate statistics, and eight nonparametric tests. Graphs include scattergrams, line, pie and bar charts; histograms; box plots and error bars. Graphs can be customised and edited then exported to Mac applications. Data entry uses a spreadsheet and supports data transformation, sorting, selection by criteria, column splitting, and creation of new variables.

Mac Plus, SE \$595  
Abacus Concepts Inc  
PICA Pty Ltd

## 2070 numerical analysis

**StatZ 1.5**

Statistical add-on module integrating with Wingz spreadsheets, providing standard statistical facilities (summary, t and chi tests, non-parametric tests, regression) and a range of advanced features: multi-strata ANOVA, searching regressions, powerful multifactor cross-tabulation.

Mac Plus, SE \$450  
Westat Associates Pty Ltd  
Westat Associates Pty Ltd

## 2070 numerical analysis

**SuperANOVA 1.0**

General Linear Modelling for the Mac. Features: ANOVA, ANCOVA, MANOVA, MANCOVA. The program supports simple, multiple and polynomial

**2080 accounting**

Accounting software seems to fall into two groups — single module and multi-module — based on the depth required. The simplest are designed around a cash book system, for individuals or small businesses which do not need a great deal of complexity and analysis. The next are designed around a general ledger model, and usually attach separate ledgers for other functions (invoicing, payroll, inventory) and are better suited to larger businesses with better reporting and analysis facilities, but requiring more accounting expertise to set up and administer. This category excludes spreadsheets.

regression, repeated measures, effects and general graphs, unlimited factors, balanced and unbalanced models, and a range of post hoc tests. A full-featured drawing environment is available for creating presentations.

68030-based Macs only \$895  
Abacus Concepts Inc  
PICA Pty Ltd

## 2070 numerical analysis

**SurveyZ 1.0**

An add-on module for Wingz spreadsheets, for processing surveys. Powerful tabulation facility with provision for two types of multiple response data. Simple data-entry check facility and many print options. Unlimited data size.

Mac Plus, SE \$600  
Westat Associates Pty Ltd  
Westat Associates Pty Ltd

## 2070 numerical analysis

**Theorist 1**

Award-winning symbolic mathematics, graphing, animation, numerical and symbolic solution system. Quite possibly superior to Mathematica and Milo, two other heavyweights. Not as extensive, it is far easier to use, and its graphics are superb.

Mac Plus, SE \$795  
Prescience Corporation  
Oxford Systematics

## 2080 accounting

**Accounting Manager 3.0**

Can be tailored for specific industries. Simple accounts, yet comprehensive reports: trading statement, profit and loss, assets and liabilities. Modules include debtors, creditors, cash allocation and general ledger.

\$3,950  
Australian Database Accounting  
Diprose House Consulting

## 2080 accounting

**ADA Payroll Manager 2**

Single user payroll system. Tracks job hours, employee history, pay history. Features a parameter-driven tax table.

Handles group certificates, RDO, EFT summary, departmental cost summaries, and more. Written and supported in Australia; \$65 per month for hot-line support.

Australian Database Accounting  
Diprose House Consulting

*2080 accounting*  
**CourierManager** 1.0

An integrated debtor and driver management system for courier companies. It incorporates debtor management and driver pays, and generates combined invoice/statements. Mac Plus, SE \$1,500  
MaxSoft Pty. Ltd.  
MaxSoft Pty. Ltd.

*2080 accounting*  
**Custom Ledgers**

Accounting program designed for small business. The General Ledger, Debtors Ledger, Creditors Ledger and Cash Book are fully integrated; an entry to one ledger automatically updates other relevant ledgers. Invoices and Credit Notes can be generated on plain paper without the need for pre-printed stationery. Generates a variety of management reports, including Audit Trail, Trial Balance, Profit and Loss Statement (Monthly or Year to Date), Balance Sheet, Statements, Aged Analysis, Remittance Advice and more. Complies with Australian GAAP, providing elements as required by the Australian Companies Code and generally accepted accounting principles are contained within the package. Separate modules available for Job Costing, Automatic Payroll, Inventory, Purchase and Sales Invoices automatically update the Inventory Ledger. Invoicing allows for Discount and Sales. Because it is built using Omnis, multi-user and runtime versions are available.

\$2,030 +

Pacific Database Pty Ltd  
Pacific Database Pty Ltd

*2080 accounting*  
**Fund Accounting** 1.3

School accounting package with modules which include: library, general accounting, purchasing, invoicing, cash management, asset management, personnel and payroll. Integrates with Mac School. The price depends on how many modules purchased. Mac Plus, SE POA  
n/a  
Chandler Software

*2080 accounting*  
**Great Plains Software** 5.2

The Great Plains Accounting Series is one of the most comprehensive accounting programs available for small to medium sized businesses. It gives you access to your company's financial history, inventory costs, overdue receivables, employee overtime — the accurate information you need to make solid business decisions. GPS is easy to install, has superior data entry editing capabilities, extensive credit management information, flexible check writing and payment selection features, extensive history data

maintenance, and multiple company setup. All Macs \$1,295 per module  
Great Plains Software  
InfoMagic Pty Ltd

*2080 accounting*  
**Invoice Manager** 1.0

Service industry invoicing and cash allocation. Custom made to minimise keystrokes.

\$1,995

Australian Database Accounting  
Australian Database Accounting

*2080 accounting*  
**Invoicelt**

Invoicing and Accounts Receivable module for MacMoney ver. 3.5. Allows users to create a client list and enter invoices and payments, handling up to 2,000 clients and invoices up to 300 lines long. Provides standard reports and invoices, and statements can be printed. All accounting information is automatically passed to MacMoney. Designed for small service- or product-based businesses.

Mac Plus, SE \$235  
Survivor Software Ltd  
Keyway Computers

*2080 accounting*  
**Jewel Accounting** 3.0

Standard accounting for small to medium sized businesses. The user interface has been designed to remove the costly and time consuming training cycles required by most integrated accounting systems. Users do not need to be acquainted with accounting terminology, even though the data storage and reporting adheres to standard accounting procedures. Other modules available include Job Costing, Sales and Purchase Order Entry, Manufacturing modules such as Production Control, Machine maintenance and history and Bill of Materials. Modules are available individually if required. In addition to the flexibility and speed of tailoring offered by virtue of the Omnis environment, numerous enhancements have already been developed (for example, foreign currency monitoring for purchase orders). Requires Omnis 3.3.

\$800+

Jorgen Computer Services  
Jorgen Computer Services Pty Ltd

*2080 accounting*  
**MacAsset** 1.0

Takes the work out of maintaining an up-to-date asset register and includes all the expected features. It assists in implementing Australian Accounting Standards AAS 4 "Depreciation of Non-Current Assets" and AAS 4 "Revaluation of Non-Current Assets", as well as maintaining the various schedules required for taxation purposes.

Mac Plus, SE \$750  
MaxSoft Pty. Ltd.  
MaxSoft Pty. Ltd.

*2080 accounting*  
**MacData Payroll Manager**

A full-featured Omnis-based payroll and personnel management system for

businesses of all sizes. Provides automatic group tax calculations and accruals, leave accruals, rostered days off, allowance and deduction recording, pay adjustments and payslips, complete financial year pay history, and group certificates; and handles terminations, cash break-up, bank deposit summary, departmental cost summary. Also offers extras such as password security, emergency contact lists, motor vehicle maintenance, salary reviews, staff turnover and employment history records. Custom-installation available.

All Macs \$795  
MacData Systems Pty Ltd  
MacData Systems Pty Ltd

*2080 accounting*  
**MacMoney** 3.5

Financial record keeper and management tool for personal use or small business which tracks bank accounts, credit cards, cash, assets, liabilities, income and expenses. Includes optional budgeting features, and a Plans Menu that allows users to explore simple loan schedules and saving scenarios for retirement and future goals. Features include: transaction entry through windowing features; tab-delimited export to Excel, Word, MacWrite, Double Helix, etc.; up to 250 categories; extensive reports; loan amortisation or payment schedules; data summaries using line and bar graphs; up to 6,000 transactions per system. depending on hardware configuration; and cheques printed from up to 250 addresses.

Mac 512K \$235  
Survivor Software Ltd  
Keyway Computers

*2080 accounting*  
**MacSpecialist**

Accounting program designed specifically for the medical profession. Some features: Accounts and Receipts can be printed at the time of consultation or held over for later presentation; Bulk Billing and Veterans Affairs; Third Party Billing; six different user-defined fee structures in addition to Bulk Billing and Veterans Affairs. Banking is fully integrated for an unlimited number of practitioners and their bank accounts. Produces a range of management reports to assist in practice administration. As it conforms to GAAP (Generally Accepted Accounting Principles), it allows you to control all financial aspects of your practice, not just billing.

\$1,950+

Pacific Database Pty Ltd  
Pacific Database Pty Ltd

*2080 accounting*  
**Manager Series**

Omnis-based series of management-oriented accounting and database products published by ADA Australia (Australian Database Accounting).

POA

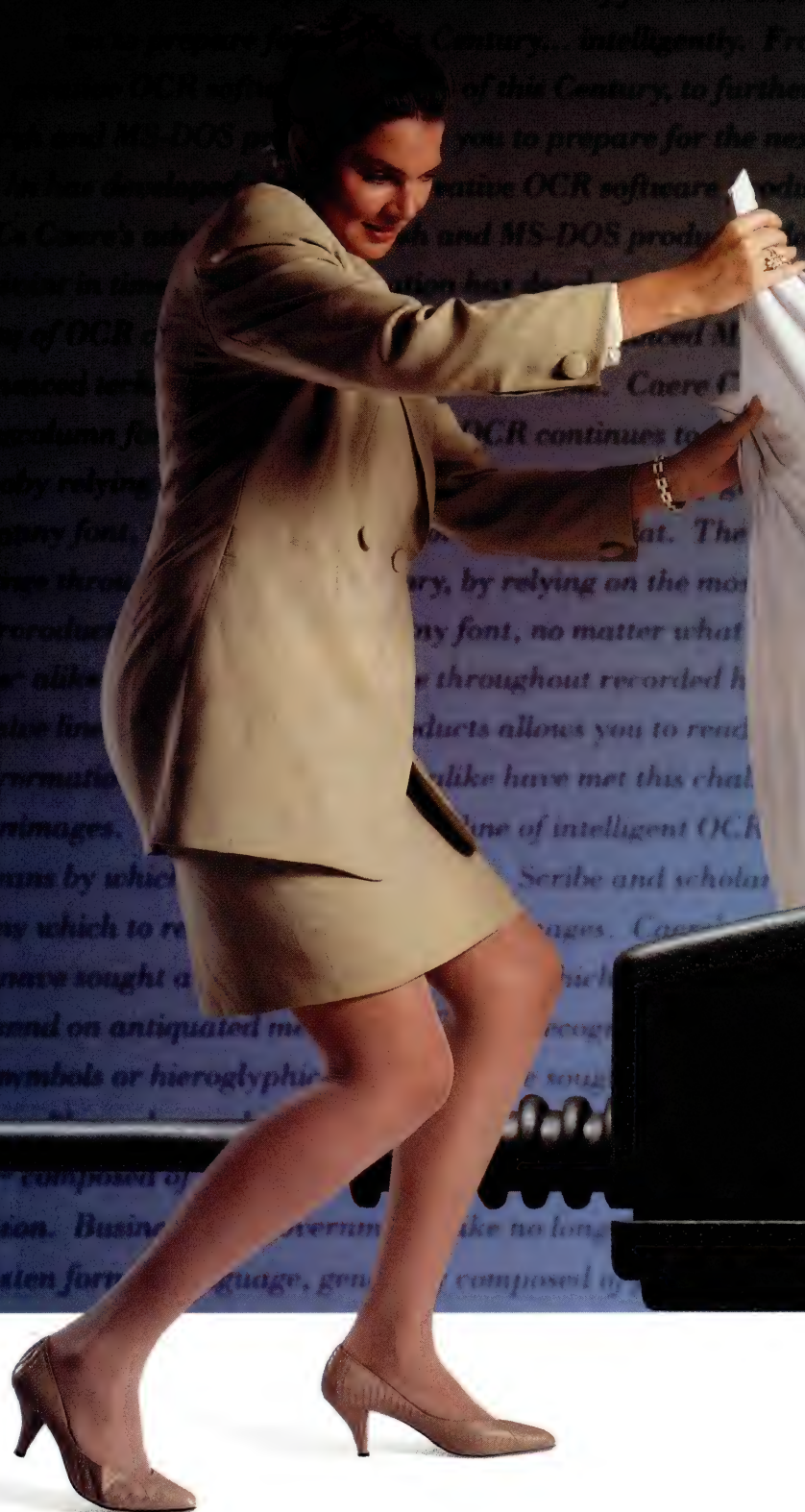
Australian Database Accounting  
Diprose House Consulting

*2080 accounting*  
**Office System One**

An integrated, electronic, customer, sales marketing and debtors system written in 4D for easy customisation. Features



# Ist Dies Ein Volks Scanner?



CAERE®



# The Ultimate

## TYPIST

What if you could have an electronic assistant, capable of typing 500 words per minute, while sitting quietly at your side, and taking up no more space than a telephone?

Sound like a great idea?

That idea is now reality with the *Typist*™ from Caere.® Designed to be *the ultimate typing machine*, the *Typist* is capable of reading any text, no matter what style font, font size or column format, and entering it directly into your Macintosh® or PC compatible word processor, spreadsheet or

database – without interruption. Caere, the company that pioneered Page Recognition with *OmniPage*® has now developed the world's most personal scanner.

The *Typist* works like your own personal assistant, capable of typing 500 words per minute – as well as numbers – entering it directly into your software application just like a keyboard – only faster.

The *Typist* is more than a typical hand scanner, generally suited to scan graphic images, but limited when it comes to text. As the world's most personal scanner, the *Typist* is a sleek, ergonomi-



*The Typist lets you accurately insert text or numbers directly into a PC compatible or Macintosh word processor, spreadsheet or database – simulating keystrokes effortlessly.*



# Typing Machine.

cally designed peripheral that requires no special training or expertise. Select text or columns of numbers from any document, and the *Typist* enters your selection directly into your word processor or spreadsheet in whatever format you happen to be using – fully simulating your keyboard in every way. Scan up to 2 column inches per second, and the *Typist* will stay fully aligned – even when you scan rows and columns *sideways*.

Think of the possibilities.

Use the *Typist* as your very own *personal* assistant. Enter rows and columns of numbers from business journals or periodicals, directly into your most critical documents, including spread-

sheets. Develop business reports, presentations, legal contracts, or desktop published documents in a fraction of the time. Further enhance your reports and presentations by incorporating graphics or photo images – the *Typist* makes it easy – improving your productivity whatever the assignment.

To learn more about the *Typist* and how it can be of assistance to you, contact one of Caere's participating dealers. Caere, the Complete Recognition Company.



For more information:

**Call:** (02) 906-4900

**Write:** Performance Sales  
1st Floor, 3 Albany Street  
P.O. Box 302  
Crows Nest, NSW 2065



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linking customer details without codes, auto link of customers to products from invoicing, mail merge, sales call tracking, quotations, multiple pricing schedules, quantities adjusted from orders and invoices, auto generated invoice, intelligent receipting, credit notes, despatch records, bank deposits, periodic statements, sales reports. Single and multiuser.

All Macs  
JAM Technologies  
JAM Software

#### 2080 accounting

### PayMaker 1.1

A combined software/hardware solution substituting for manual time clocks, using ID cards to record employee work times and patterns. Automatically connects to Payroll, which is included.

Mac SE \$3,800  
n/a  
Timemaker

#### 2080 accounting

### Professional Accounting 2.1

Professional Practice accounting for multiple clients. Integrated to Excel Tax Reports. Meets ASA requirements and Schedule 7, with a comprehensive Chart structure for all types of business and non-commercial accounts. University and government departmental accounts need the extra module to deal with Allocation of Funds.

POA

Australian Database Accounting  
Diprose House Consulting

#### 2080 accounting

### ShopFront 1.0

A comprehensive point-of-sale system for record or book retailers, incorporating a cash draw with daily reconciliation, sales analysis, sophisticated stock control, purchase orders, debtor management and customer orders. A bar code interface is available.

Mac Plus, SE \$1,500  
MaxSoft Pty. Ltd.  
MaxSoft Pty. Ltd.

#### 2080 accounting

### Speedworks 1.2

Fast, easy Debtors package. Becomes a complete cashbook and accounting when linked to Microsoft Works. Prints invoices and debtors list.

\$595

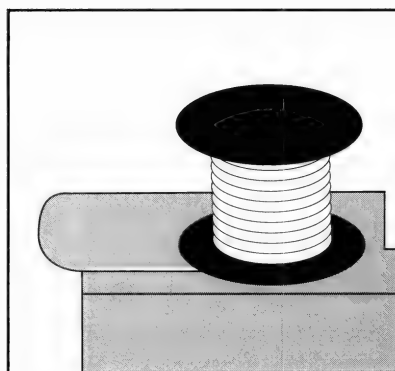
Australian Database Accounting  
Diprose House Consulting

#### 2080 accounting

### StationManager 1.0

A complete point-of-sale system for service stations and mechanical workshops, incorporating a cash draw with daily reconciliation, sales analysis, stock control, debtor management and vehicle service history.

Mac Plus, SE \$1,500  
MaxSoft Pty. Ltd.  
MaxSoft Pty. Ltd.



## 2090 printed communication

Printing aids not otherwise specified. Included in this eclectic grab bag are devices which enhance laser printers; tools linking Macs to professional typesetting equipment; printer spoolers; and bulk mailing managers.

#### 2080 accounting

### Steps Accounting

Based on FoxBase+Mac, it offers general ledger, debtors and creditors.

\$795

n/a  
Steps Software

#### 2080 accounting

### Sybiz MacLedgers 5.71

An Australian-designed integrated accounting system with debtors, creditors, and general ledger (\$695) and optional inventory (\$995). Supported nationally through Sybiz Support Centres.

\$695 +

Sybiz Software Pty Ltd  
Sybiz Software Pty Ltd

#### 2080 accounting

### Sybiz Service Industry Accounting 5.71

An Australian-designed integrated accounting system with automated Job Charging and Invoicing. Supported nationally through Sybiz Support Centres.

\$1495

Sybiz Software Pty Ltd  
Sybiz Software Pty Ltd

#### 2080 accounting

### Warehouse Manager 5 3

A customisable, high performance Omnis-based multi-user (up to 32) warehouse management system. Customer service-based order entry, sophisticated stock count, item distribution control, product flow reporting, more than three years of sales history. Separate management reports file, plus distributed accounts processing. Information flows to standard Macintosh information manipulation DTP and EIS.

\$9,000 - \$25,000

Australian Database Accounting  
Diprose House Consulting

#### 2090 printed communication

### Laserserve 1.4

Allows data to be spooled to a print device, thus freeing the Macintosh for use before a file has finished printing. Supports LaserWriters and AppleTalk ImageWriter, and increases printing performance for all applications that use standard Mac printing

protocols. Users can choose whether the system uses a floppy, a local hard disk, or a network server for temporary file storage. Remembers the configuration and automatically installs it at system start-up. The system can manage up to 32 print jobs at one time with capabilities for queue ordering and individual job control.

\$132

Infosphere Inc.  
MicroAustralia Computer Products Pty Ltd

#### 2090 printed communication

### MacPrint 1.1

Printing utility \$242

Insight Development  
MicroAustralia Computer Products Pty Ltd

#### 2090 printed communication

### Quick Envelope

A software utility for printing envelopes from within any application.

\$69

GCC Technologies  
Next To Mac

#### 2090 printed communication

### QuickSpool 11

A print spooler for the WriteMove (Kodak Diconix M150 Plus) and the ImageWriter printers.

\$83

GCC Technologies  
Next To Mac

#### 2090 printed communication

### StickyBusiness Plus 1.2

Provides general-purpose labelling for any size label, card, tag or envelope, using either pre-defined or custom template designs. Text can be rotated, printed in colour, or blended with other text and graphics. Auto-incrementing serial numbers can be positioned and formatted just like standard text. Supports print merge, and the Plus version even prints barcodes, automatically converting text to barcodes. StickyBusiness knows the size, shape and layout of every label in its library, and how to precisely align the printed image for each one if you align the top of the form.

Mac Plus, SE \$245  
Williams & Macias, Inc  
Next To Mac



## 2091 word processing

There are various features and levels of power available those who wish to pour thoughts onto the electronic page. You should examine what kind of processor of words you are — writer, document handler, word presenter, occasional correspondent, report fanatic — and so judge your requirements. We have added ancillary programs that you might find useful when word processing, such as optical character recognition (OCR) packages, spelling checkers and text retrieval systems.

### 2090 printed communication

#### SuperLaserSpool 2.02

A PostScript print spooler for the LaserWriter and now also ImageWriter II, allowing the user to continue work while printing in the background. PostScript files can also be saved to disk for later printing. Print files are spooled in a matter of seconds and control of the Mac is returned quickly. With SuperLaser Spool you may change applications while printing, and print multiple files even before the first has finished printing (an multi-user option is available for this feature). In a network environment, time delays in printing can dramatically cut work group productivity. Supports the Hewlett-Packard DeskWriter, HP LaserJet and DeskJet printers.

Mac 512K \$225  
SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

### 2091 word processing

#### 4D Write

A word processor module designed specifically for 4th Dimension. Simple but elegant and capable of tasks from simple letters to multi-part contracts. Particularly suited to mail merge or database publishing, with its tight integration inside 4th Dimension. Making use of 4D Hot Links, this application can pass information to and from other modules and dynamically update information wherever it resides. Developers can extend 4D Write to build completely customised word processing applications.

ACI France  
Softies Pty Ltd

### 2091 word processing

#### AccuText OCR

Performs intelligent character recognition using artificial intelligence to increase scanning accuracy and capture page format information. It can recognise text in a wide variety of fonts and character sizes from 6 to 24 points, translating scanned documents into WP files that include page format information, such as column margins, paragraph indentation, indented blocks and tabs. The program also recognises character size changes greater than 2 points as well as attributes like italics, underline, superscript, and subscript. The program processes

graphics in the same pass as text, generating TIFF, PICT or MacPaint files for each scanned image in resolutions from 75 to 400 dpi. It can produce binary bitmaps for line art and offer two different screening methods for grey scale images. AccuText can output text in Microsoft Word, Excel, MacWrite, or ASCII format. The program also processes multi-column documents, producing output in galley format for easy editing. It supports a variety of scanners, including XIS/Datacopy, Apple Scanners, and HP ScanJet.

\$1,995

Xerox Corporation  
Image Systems

### 2091 word processing

#### Big Thesaurus

1.0

The largest thesaurus available for the Macintosh. Based on 100,000 root words from the Merriam-Webster's Collegiate Thesaurus, it offers synonyms, definitions, related words, contrasted words, comparisons and antonyms. Selected words can be pasted directly into other applications.

All Macs \$185  
Deneba Software  
PICA Pty Ltd

### 2091 word processing

#### ClairVoyant

A word processor/text editor/programming language utility that relieves the chore of typing long words, phrases and paragraphs repeatedly. The auto-learn feature finishes words, sentence or entire paragraphs.

Tactic Software  
Reliable Australian Distributors Pty Ltd

### 2091 word processing

#### Coach Professional

3.1

Interactive or batch spell checker offering a dictionary, thesaurus, dictionary of definitions and auto-hyphenation. Uses an abridged version of the Merriam-Webster 91,000 word dictionary with 245,000 synonym thesaurus and 85,000 word definitions. Its improved grammar and phonetics checking includes checking for things like capitalising the first word of a sentence, typing the same word twice, placing a capital in the middle of a word, or simple punctuation mistakes. A library

function acts as an aid in finding unknown or misspelt words; includes automatic hyphenation. Coach Professional contains all the features of Coach 3.0 and the Coach Merriam-Webster Thesaurus, and includes the Merriam Webster 75,000 word pocket dictionary, complete with definitions of any word or phrase with its tenses, usages, multiple definitions, hyphenation points and additional references. Compatible with spreadsheets, databases and word processors.

All Macs \$345  
Deneba Software  
PICA Pty Ltd

### 2091 word processing

#### Correct Grammar

Identifies and corrects errors on spelling, grammar, syntax, punctuation and style. Works with Microsoft Word, Works, and Write, MacWrite, WriteNow, Acta Advantage, AppleLink, QuickLetter and all ASCII-based word processing packages. Writers may preset a desired readability level and the software then flags any sentences exceeding that level.

Mac Plus, SE, II \$US79  
Lifetree Software  
Next To Mac

### 2091 word processing

#### Document Compare

Compares different versions of word processing documents and source code listings. It finds and highlights insertions, deletions, moves and replacements with 100% accuracy, and notes changes as small as an added comma, and as large as a complete rearrangement of text. Changes can be seen in a two-window display or a printout. Features include: on-screen Help, revision bars, strike out or carets for deletions, customisable displays and line numbering. Reads MacWrite II, Microsoft Word, WriteNow, Nisus, FullWrite, and ASCII, and can compare files in different formats. MultiFinder compatible.

Mac Plus, SE, II \$390 ex tax  
Advanced Software, Inc  
MPC Systems

### 2091 word processing

#### Expressionist

2.07

A powerful yet easy to use program for creating mathematical equations and placing them into word processing, page layout, or presentation documents. WYSIWYG and intuitive. There are no programming languages to learn. Suitable for technical reports, proposals, theses, text books and other scientific work. PICT-file compatible. An application version is also supplied along with the DA.

Mac 512K \$295  
Prescience Corporation  
Oxford Systematics

### 2091 word processing

#### Expresswrite

1.0

A desk accessory utility designed for low-level word processing, such as letter writing. Includes mail merge, envelope preview and label printing functions.

Mac 512K \$110  
Exodus Software  
Halldale Technologies

2091 word processing

**Formulator 1.1**

Mathematics word processing package. Very high quality mathematical function setting, and includes a simple word processor: good for school and university exam papers in this mode. The ability to generate good quality TeX source code (with a TeXTures icon – also distributed by Oxford Systematics) ensures error free transfer to publication formats for professionals. Intelligent style support, and can be driven entirely from the keyboard for those who have to copy type extensive amounts of mathematics.

Mac 512K \$399  
Icon Technology  
Oxford Systematics

2091 word processing

**FullWrite Professional 1.1**

Combines word processing, integrated outlining, desktop publishing capabilities, and a built-in MacDraw-like environment into one WYSIWYG environment. Options include outlining, a glossary, hyphenation, spell-checking, indexing, table of contents, style sheets and a thesaurus. Features include posted notes, comment boxes that you or the readers can add to documents; browsing through any section of a document through a pop-up window without losing the current screen; flexible search and replace functions, which include searching by font, type size, justification, and text content; automatic numbering and renumbering of footnotes, endnotes and figures including related files; automatic marking and printing of revisions. Its graphics capability includes an integrated MacDraw-like environment with Bezier curves for smoother curves without leaving the word processor; mix of graphics and text on the same line. You can create multiple columns and even use different sized columns on the same page; control kerning, leading, guttering and border rules; mail-merge and sort; variables; sidebars; bibliographies; enhanced Clipboard with append-text capability; PostScript output; accuracy to 0.0001 inch in all formatting.

Mac Plus, SE, II \$650  
Ashton-Tate Corp  
MicroAustralia Computer Products Pty Ltd

2091 word processing

**GOfer 2.0**

A desk accessory that allows you to search for words, phrases and text inside any disk files. Use to research large volumes of documents, to find files with common references, or to find lost files. Compatible with all popular Macintosh programs.

Mac 512K \$149  
Microlytics Inc  
Trio Technology

2091 word processing

**Gram·mat·ik Mac 1.0**

An expert system proofreader which uses artificial intelligence techniques and a sophisticated rule dictionary to identify writing errors, providing advanced sentence parsing techniques which enable it to pick fairly complex mistakes. Reads most popular word processing and text

files. Finds errors in grammar, style, usage, punctuation and spelling, offering advice to users for correcting the error. Provides a Help screen to further explain the error, and offers useful writing tips.  
Mac Plus, SE \$169  
Reference Software International  
Logo Computer Centre

2091 word processing

**M.E.D. Dictionary 1.0**

A 290K dictionary covering medical terminology in three spelling conventions: US, British and Australian, all of which can be edited or expanded. Available in text or Word formats.

All Macs \$40  
JAM Technologies  
JAM Software

2091 word processing

**MacinText 1.01a**

A nontrainable OCR program, limited to its 20 mono and proportionally spaced built-in font templates varying in size from 8-12 pts. Works only with Microtek scanners, although TIFF files may be imported. Text captured and stored can be treated as a word processing file. Recognises a range of type styles, and allows single picture or multiple text windows for scanning and recognition.

\$395

Microtek Lab, Inc  
Image Systems

2091 word processing

**MacOCR**

Full-featured intelligent OCR system. Functions only with Xerox Imaging Systems, but can import files from other scanners in a wide variety of formats. Reads 21 pre-programmed fonts from typewriter to dot matrix, laser or office printers, but requires manual loading of the fonts needed for recognition. Saves to a wide variety of word processing file formats. Scans line art or continuous tone photographs.

\$1,048

Datcopy Corporation  
Image Systems

2091 word processing

**MacProof 3.2.1**

A spelling and proofing DA which in addition to an 80,000 word UK spelling dictionary will also check for punctuation, capitalisation, double words, and correct usage (Often Confused words, Offensive words, Formality, Imprecise, Wordy statements). Also provides a "structural analysis" of your document that includes sentence and paragraph analysis, repetitions, counts and averages. MacProof works with Microsoft Word, MacWrite, PageMaker 2.0 and 3.0 and other applications that support desk accessories. Site licensing is available. Version 3.2.1. has AppleShare network support added, so that schools and universities may share the application and take out a site license at lesser cost than previously.

\$289

alp Systems Inc  
Trio Technology

2091 word processing

**MacWrite II 1.1v1**

A complete re-write of the Mac's original word processor, much faster than old MacWrite. Includes style sheets, multiple column controls, automatic footnoting and endnoting, and mail merge. Documents may be viewed in 100%, 50% (on large monitors) or 33%, for true WYSIWYG. Includes Claris XTND, to import and export graphic and text file formats. The HyperHelp system, and dictionaries and spell checker, are customisable and can be shared between other Claris applications. International spelling dictionaries are available in French, German, American-English and Spanish. Includes a 220,000 word thesaurus. Also available in multiple packs and by site licence. Upgrade costs \$125.

Mac Plus, SE \$399  
Claris Corporation  
Claris Australia Pty Ltd

2091 word processing

**MailMaker**

A LAN e-mail utility for creating multipage, fully formatted images or "paperless printouts" from most Macintosh programs. Printouts can be exchanged with other e-mail users on the network, or sent as fax transmissions when used with Solutions' FaxGate Plus software. Supports Microsoft Mail 2.0 or QuickMail 2.2.

Mac Plus, SE \$325 (5-user pack)  
Solutions International Inc  
Halldale Technologies

2091 word processing

**MathType 2.1**

A mathematical equation editor that is completely intuitive and easy to use. Automatically sizes, spaces, and positions symbols and uses the correct typeface for standard function abbreviations like log and sine. Can be run as a desk accessory or as an application; works with all word processor or page layout programs.

Any Mac \$270  
n/a  
Dataflow Computer Services Pty Ltd

2091 word processing

**Microsoft Word 4.0**

A word processor with page layout features. Users can configure the application itself: a Short Menu option contains the basic formatting for the word processor; the Full Menu offers a broader range of options. Add or subtract items in the Font and Format menus, and define or add styles and other functions to a Work menu.

Features include an intelligent spelling checker (UK or US), a 9-level outliner, hyphenation, and the ability to create a Table of Contents or Index. Paragraph formatting includes special controls like Keep Lines Together, Keep With Next Paragraph, and Page Break Before. Paragraph numbering is available, also "framing" a paragraph. The side-by-side paragraph format is useful for page layout, although you can still only edit in single-column mode. The editable Page Preview mode shows the overall page layout



including multiple columns, headers and footers and other formatting options which may not be visible in the normal editing window.

Other features include Search and Replace with wild cards on any character including formats or control characters, and a mathematical typesetting language. A Glossary allows you to insert frequently used words and phrases with a single keystroke. A mail merge facility automates form letters. Most common printers are supported. Offers a wide foreign file import/export range, as well as more complete table creation; text flow around graphics (but not irregular shapes); automatic linking with Excel and Mail; colour support; and improved column handling. Upgrade \$130.

Microsoft Corporation  
Micro Australia Computer Products Pty Ltd

### 2091 word processing **Nisus** 3.0

Among the most versatile, feature-laden and easy-to-use word processors at the high end of the market. Very efficient with large documents. Includes its own graphics environment. Features include footnotes, hyphenation, split windows, over 300 levels of Undo, Set Marker function, auto-backup (to nominated folders), mail merge, search-and-replace (stylistic and colour attributes included), British or US dictionary and thesaurus, drawing tools, full graphic control, pre-view, style sheets, Get Info option (for word, line, paragraph, and K-byte count, with Fleschman reading level noted), and more. Incorporates a powerful yet simple macro language, search-and-replace using the "grep" syntax from Unix, or PowerSearch (use menus to construct the grep command). Version 3.0 has a "Place" feature, non-contiguous text selection, power search, text ruler options, style sheets with paragraph and character styles, improved mail merge, extended keyboard support, and an expanded dictionary/Thesaurus with 116,000 words. Specialist dictionaries available. Any other application can read Nisus files as ASCII text, even when not saved as such; Nisus reads Word 4.0 and writes Word 3.0 formats.

Mac Plus \$530+  
Paragon Concepts  
Trio Technology

### 2091 word processing **QUED/M** 2.0

A powerful text editor without style/formatting capabilities, originally designed for programmers. Extremely fast, faster than all Mac word processors. It lacks the "finish" of commercial word processors although it offers greater flexibility and power than most. It features a highly developed find/replace language (search for patterns of characters, not only literal matches), also a special macro language for automating text editing functions. The engine of QUED/M was used for Nisus (see separate listing).

Mac Plus, SE \$249  
Paragon Concepts  
Trio Technology

### 2091 word processing **Read-It!** 3.0

OCR program for the Mac, upgraded to include omni-font recognition. Capable of background recognition under MultiFinder. Can read all kinds of scanned text, including typeset text, and is fully trainable (with three learning modes). Takes longer to read than other programs because it does a lot of pre-recognition analysis (isolating lines and characters, checking kerning, average character sizes, etc.). For low-medium volume. Professional Version includes System 7.0 support, recognises all European characters including Greek and Russian, auto self teaching and interactive "Smartlearn" mode, background use under MultiFinder, and precise on-screen representation. Add-on modules include ReadForm and ReadSpell. Built-in drivers for Apple Scanner, Mictrotek, Dest, MacScan, Abaton, HP ScanJet, Pentax, ScanMan. Mac Plus, SE \$795  
Olduvai Corporation  
Trio Technology

### 2091 word processing **Read-It Personal** 2.1

A version of Read-It OCR software for personal hand scanners, and Thunderscan. Converts scanned pages of text into editable text documents. Reads typeset text, and is fully trainable. (See other listing.) Mac Plus, SE \$395  
Olduvai Corporation  
Trio Technology

### 2091 word processing **ReadSpell**

Another add-on for the OCR package Read-It! OCR Professional Version 3.0. A spelling checker with a difference: it can also correct typical OCR recognition errors such as a '5' in place of an 'S'. A US dictionary is included and other languages are to become available. Mac Plus, SE \$299  
Olduvai Corporation  
Trio Technology

### 2091 word processing **ScanReader** 1.0.8

This OCR program is suited to the user that requires a high level of accuracy without the need for a high level of user comfort. ScanReader is capable of reading more than 500 characters per minute on a Mac Plus and more than 2500 per minute on a Mac II. The program can support a wide variety of languages as well as reading a wide variety of formats including financial forms. It is positioned to compete with programs such as OmniPage and AccuText with the benefits being minimum system requirements, speed and price. Mac Plus, SE \$995  
CTA, Inc  
Micro Advantage

### 2091 word processing **Sonar Professional** 6.0

A text-retrieval program aimed at lawyers, publishers, researchers, news services, government bodies, and others who need to quickly search, analyse, and index

massive amounts of text. Searches freeform text in multiple files and contains "automatic hypertext linking capabilities". Using high-speed dictionary techniques, it reduces search time from hours to seconds (4,000 pages per second). A linking feature enables the creation of relations during a search in progress. Can search through a variety of document formats. Version 6.0 claims a ten-fold increase in network search speed. Other new features include support for font attributes, more indexing options, and enhanced word association and relational searching. Words can even be displayed in order by degree of association.

\$1,139

Virginia Systems Software Services Inc  
Image Systems

### 2091 word processing **Sonar Text Retrieval System** 6.0

Search, index and analyse thousands of documents at over 15,000 pages per minute on a Mac II. Features automatic hypertext which allows the user to interrupt a search at any point to add a note or perform other searches. Finds and links specified words or phrases to "related" text. Supports MacWrite, Microsoft Word, WriteNow, Trapeze, Microsoft Works, text, Boolean, and proximity searches. Limited only by available memory and disk space.

\$438

Virginia Systems Software Services Inc  
Image Systems

### 2091 word processing **Taste** 1.0

A high performance word processor, combining with the word handling a document layout and drawing environment. Offers spelling checker and thesaurus, multiple column views, colour text, and many page layout features.

Mac Plus, SE \$195  
DeltaPoint  
Trio Technology

### 2091 word processing **TextPert** 3.5.6

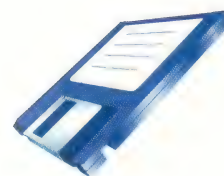
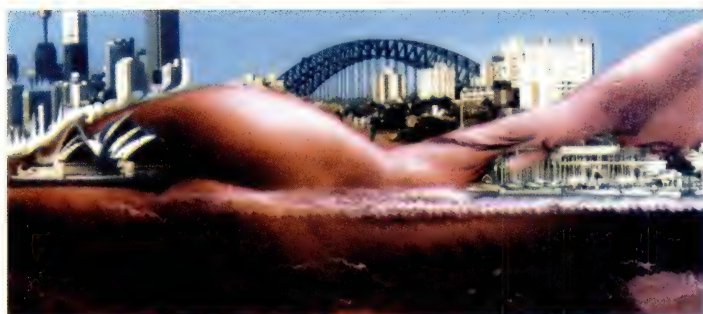
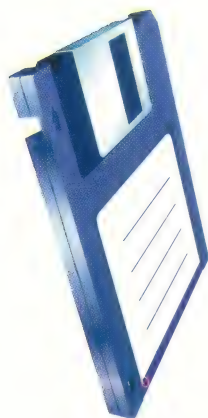
Trainable OCR software with universal font recognition and customizing capabilities. Defines text windows and lets you change their order and output format. Automatically captures and stores text, symbols and graphics and interprets hand-lettered printing and Indo-European languages, including Greek. It does not maintain exact original spacing and indentation. Can read black or white text on non-white backgrounds, then inserts special tags for interfacing with typesetting systems. Auto column definition allows rapid transfer of column formats, which may be saved for future use. TextPert maintains them and tabulations for transferring into spreadsheets; and special characters for export to databases. Capable of reading more than 500 characters per minute on a Mac Plus, more than 2500 cpm on a Mac II.

Mac Plus, SE \$1,495  
CTA, Inc  
Micro Advantage

1 Balls Head Road, Waverton. (North Sydney) Ph: 9222744 Fax: 955 4984 Modem: 954 0531

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## TYPE CONVERSION



# PRESTIGE



K



# PRESTIGE TYPE CONVERSION

1 Balls Head Road, Waverton. (North Sydney) Ph: 922 2744 Fax: 955 4984 Modem: 954 0531

FILM, BROMIDES, 4 COLOUR SEPARATIONS, BARCODES & TYPE FONTS  
SCANNING (HALF TONE and LINE, COLOR and MONO)

M



Y



**TextScan****3.0**

A teachable Optical Character Recognition program for MacScan - compatible optical scanners. It combines feature-based and matrix matching algorithms for converting a page of scanned text to a text file. Once TextScan has been taught to recognise a font, it can read proportionally spaced, expanded and condensed type, and kerned characters. Font tables can be saved to disk after a session and reloaded from disk for use with another document that uses the same font.

Mac Plus, SE, II

\$875

New Image Technologies

PICA Pty Ltd

## 2091 word processing

**The Random House Encyclopedia**

A desk accessory 20,000 entry encyclopedia in nine categories: geography, history, philosophy/religion/mythology, social science, arts, science, sports and leisure, and law and government. Permits bookmark insertion for instant recall; search by date, topic, string; reverse dictionary; help feature; copy and paste. Appears to have a US bias. Part of a larger series of reference works called INFODESK.

All Macs

\$US119

Microlytics Inc

Trio Technology

## 2091 word processing

**Vantage**

A "turbo" editing and text processing DA featuring multi-window editing (up to 32 windows simultaneously) and macro creation. Imports text from multiple formats. It has an interactive spelling checker, a user-specific dictionary, forward and reverse alphabetical sorting, creates columnar formats, and provides statistical information on each window.

\$160

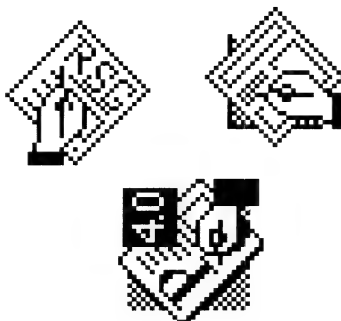
Preferred Publishers, Inc

Reliable Australian Distributors Pty Ltd

## 2091 word processing

**WinText****2.5**

A full-featured word processor which, together with WinKits for additional languages, permits writing in a foreign language or even several foreign languages simultaneously. The language choice is a style setting, similar to bold, point-size 12, or blue-coloured text. It can be incorporated into a style sheet. The search editor, hyphenation and inbuilt spelling checker are multilingual. Unfortunately, there is only one English language setting, disallowing mixed US and British spellings. Handles fifteen languages: English, French, Greek, Russian, Spanish, Italian, Portuguese, German, Dutch, Bokmål, Nynorsk, Swedish, Danish, Icelandic and Turkish. The British English and French dictionaries are included, but those for the other thirteen languages must be purchased separately. WinKits are also available for other languages including Hebrew, Arabic, Japanese and Chinese. These contain everything necessary for word processing in these languages, including a WinStarter (the appropriate System, Finder, etc.), a dictionary, self-adhesive labels for your



keyboard, and a set of laser fonts. It does not matter whether the language is right-to-left or left-to-right, Romanic or non-Romanic, WinText allows you to mix it with other dissimilar languages and often in the same paragraph. Can calculate - not merely typeset mathematical symbols, but actually calculate like a spreadsheet. Word processing features include EdiMath; an inbuilt cell formula system; mail merge; auto-save; revert to saved; synchronised scrolling; and the automatic showing of fonts in their own style in the font-menu. Problems include no multiple columns, or word count, limited range of file formats it can open and save (MacWrite, RTF or Text Only formats), and it can be slow. There is no provision for automatic footnotes, macros, split-bars, glossaries or an inbuilt thesaurus. However no other program offers so many languages and the ability to simply and efficiently mix and match between them. Copy protection: key-disk; limited HD installations.

Mac Plus

\$520

Winsoft

Techflow Pty Ltd

## 2091 word processing

**WordFinder****2.0**

A 220,000-word thesaurus in a desk accessory. Works with all popular Macintosh software. Search for word alternatives, or clarify definitions.

Mac Plus, SE

\$99

Microlytics Inc

Trio Technology

## 2091 word processing

**WordMaker**

An entry-level word processor that handles pictures and text separately, allowing text to flow around pictures. Allows up to eight documents to be opened simultaneously, and provides a menu window for ease of movement between documents. Includes all the usual features of a word processor: spelling checker, merge capabilities, word count, and more. Imports and exports MacWrite files.

All Macs

\$205

New Horizons Software

Reliable Australian Distributors Pty Ltd

**2092 desktop publishing**

Software which provides page layout runs the gamut from single page ad-creation programs (such as Multi-Ad Creator) to full-scale book production tools, such as TeX. Included here are layout tools for special effects and mathematical expressions, and other specialised printing requirements.

## 2091 word processing

**WordPerfect****2.0**

WordPerfect provides the complete high-end word processing solution. In addition to the full run of word processing features, it offers such specials as network compatibility with its popular MS-DOS namesake WordPerfect 5; connectivity with IBM, VAX, Data General, Unix, Xenix, Apple II; the Macquarie Dictionary; strong macro function; file management options. Version 2.0 is understood to be a complete re-write. Graphics are much improved, as are style definitions, menus, macros, borders, and document import/export formats.

Any Mac

\$579

WordPerfect Corporation

Dataflow Computer Services Pty Ltd

## 2092 desktop publishing

**AdPlanner****1.0**

Computer-aided magazine dummieing system, primarily for advertising pages, that allows users to import pre-planned ads from almost any order-entry system or from custom descriptions. Once the ad list is ready, the user can organise the page templates and press runs. Templates can be imported into such page layout programs as PageMaker, XPress and ReadySetGo. Instructions can be adapted for use with any PICT-compatible page layout program.

II (c, i), x, fx

\$1,300

n/a

Pongrass Publishing

## 2092 desktop publishing

**AdSpeed/PageSpeed Workstations 2.0**

Full colour advertising make-up and page layout software that will incorporate scanned logos, halftones, and text. The colour version is capable of full process colour stripping, ink-trapping with chokes and spreads, masking, overlay cutting, screen tints, and editable full colour copy even when the text is rotated. Pictures can be rotated within their frame, and full process 24-bit colour images can be rotated through 360 degrees. Requires 5Mb RAM, 40Mb hard disk, and either a 256 greyscale or 8-bit or 24-bit colour monitor.

II/II(c,i)x series only

POA

n/a

Pongrass Publishing

2092 desktop publishing

### Aldus PageMaker 4.0

Yet another incarnation of the original page layout package. PageMaker 4.0 for the Mac accepts documents produced using the PC-based version of PageMaker, as well as formatted text files from PC-based word processors. Features include full kerning, letter spacing, word spacing and paragraph spacing; automatic hyphenation; interactive facing pages; support for unlimited files sizes; support for large screen monitors; imports PostScript files; and can import scanned images in MacPaint, TIFF, PICT formats; supports colour on Mac II. Also available for networks and classrooms.

All Macs \$1,298  
Aldus Corporation  
InfoMagic Pty Ltd

2092 desktop publishing

### Aldus PageMaker Portfolios

Designs for Business Communications: offers 18 pre-formatted page designs on disk. Choose a template with either a contemporary or traditional look then import your own text and graphics. The accompanying 148-page instructional workbook also explains how to modify the templates to conform to your company's visual standards and how to create additional templates from scratch. Requires: PageMaker 2.0 or higher.

Designs for Newsletters: a set of 21 newsletter templates. Place your text and graphics in pages already laid out by a group of professional designers. Choose typefaces, create a masthead, design a layout on a grid system, use boxes and rules effectively and apply other supplied newsletter tips. Includes a step by step tutorial, a 110-page instructional workbook, suggested uses for each template format, "place holders" for easy placement of headlines and graphic elements, "spacing guides" for uniform spacing among elements, a glossary of publishing terms and advanced design tips for customising any template to meet your specific needs. Requires PageMaker 2.0 or higher.

All Macs \$169  
Aldus Corporation  
InfoMagic Pty Ltd

2092 desktop publishing

### Aldus PrePrint 1.0

Allows you to generate colour separations of entire publications - including text, illustrations, and photographs - right from the desktop. Designed specifically to work with Aldus PageMaker 4.0, PageMaker Color Extension, and individual TIFF files, PrePrint saves you time and money by letting you separate colour PageMaker and TIFF files into the four process colours of cyan, magenta, yellow, and black. By taking advantage of the Open Prepress Interface (OPI), Aldus PrePrint gives you the flexibility to choose the best method for preparing your colour and grey scale TIFF images, and fine-tune your separations to accommodate the particular press on which your publication will be printed.

All Macs \$882  
Aldus Corporation  
InfoMagic Pty Ltd

2092 desktop publishing

### AllPage

Combines the features of AllScript with page layout capability and importing pictures from PICT, EPS and MacPaint. See AllScript entry.

\$1,935

Micro-Macro  
Symbiotic Computer Systems

2092 desktop publishing

### ATF Typographer

1.0

Typographer is a professional typesetting and page layout program. It offers WYSIWYG editing, full typesetting functions including pair kerning, tracking, hyphenation, style sheets, paragraph-wide justification, hanging punctuation and many other basic typographic controls. Text can be edited in running, galley or laid-up form.

Mac Plus, SE, II POA  
Kingsley/ATF Type Corp  
PICA Pty Ltd

2092 desktop publishing

### DesignScript

A command language annexe to DesignStudio. It is a low-cost solution to automating many DesignStudio procedures. Users who have their procedures worked out, should save hours on routine formatting. Users can create script files in any Macintosh program that can produce ASCII (plain text) files, or with DesignStudio itself. DesignScript can also be used as an interface to a HyperCard front-end, for creating formatted business documents and charts, for example.

DesignStudio  
Letraset USA  
Letraset Australia

2092 desktop publishing

### DesignStudio

Page design and layout program which offers guidelines, grids, and freestyle working environments. Design tools provide for rotation, grouping, auto frames, rules, borders, arrows and pen patterns. Typographical controls feature text rotation in one degree increments, shaped text, tracking, kerning, fractional point sizes, and auto wraparound. Includes a full-functioning word processor and spell checker.

68030-based Macs recommended \$1,295  
Letraset USA  
Letraset Australia

2092 desktop publishing

### DesignStudio Separator

Annexe to DesignStudio for producing full-page colour separations direct to PostScript colour imagesetters. Claimed to be the first to separate all elements on the page, including imported TIFF, RIFF, PICT2, and EPS files. DesignStudio Separator uses the industry-standard CIE colour model for converting RGB to CMYK. In performing the conversion, the software shows which displayed RGB colours fall outside the printable range, and provides an option for manipulating the colours accordingly. The hardware

supported by DesignStudio now includes Linotronic, Compugraphic, Crosfield and Scitex systems through the DeScipher package from Premier Graphics. Any bureau should be able to accept DesignStudio files. Other Mac programs that support EPS can take advantage of DesignStudio Separator.

\$

Letraset USA  
Letraset Australia

2092 desktop publishing

### FrameMaker

2.0

A step beyond "desktop publishing". Its pedigree includes 25 different computer architectures mostly of the Unix variety. Supports 11 languages in addition to English. Sophisticated word processing and graphics, combined with dedicated book-building tools, attractive to the publishers of technical journals, books, reports and structured documents (it offers up to 25 master pages per document). Tracks revisions and allows multiple authors, even on different computer platforms.

\$1,999

Frame Corporation  
Trio Technology

2092 desktop publishing

### Imprint

A multi-lingual typesetting and page layout package giving the user the ability to create "ready to print" original masters in Urdu, all Indian languages, Chinese, Japanese, Thai, Korean, English and other Roman scripts. For Chinese and Japanese the traditional vertical text entry read from right to left is also supported. Features text wrap which can be designated to wrap from any or all sides of an any shaped, intervening object (other text, graphics or picture elements). Supports multi-column text, borders of various pen-thickness and corners, varied grey-level shadows or fills, and text can continue on the next page. Also features master pages, guide lines, multiple views, picture scaling, hand cropping, on-screen ruler, multiple measurement units, text rotation, on-screen controls for line and paragraph leading, first-line indent, left and right margins, advanced font and style sensitive text search and replace, EPS and PICT import, printing with or without tile marks, and more. The necessary languages, fonts and script interface systems are also available from Ivy Systems. Ivy script interfaces can modify the operating system so that sorting, indexing and other data processing functions become meaningful within that particular language. How would you "sort" Chinese, for example? Certainly not with an English alphabet sort algorithm. Beyond that, all system dialogue boxes, messages and menus could be localised.

All Macs \$1,100  
Ivy Systems  
Techflow Pty Ltd

2092 desktop publishing

### Letraset Studio Line CD

A complete, integrated suite for design and publishing, consisting of DesignStudio (page design), ColorStudio

(24-bit colour image creation), ImageStudio (grey scale photo retouching), LetraStudio (display type design) and FontStudio (font creation and logo design), at a saving of 20% over the combined price of the programs sold separately. Besides the applications, the disk contains a compendium of information about related services and products – third party vendors of scanners and printers, for example – using audio-visual animation and also offering software and information access via a HyperCard interface.

Letraset USA  
Letraset Australia

*2092 desktop publishing*

**LetraStudio 1.5**

Type customising software for display type, logos, signs and headlines; works with the LetraFont Type Library. Combines the functions of dry transfer lettering, repro-camera and distortion lenses. The digitised typefaces in the type library contain all design elements specified by the original designer, including alternate characters, ligatures and flourishes. The fonts are stored and manipulated on screen as high-accuracy outlines and are output as EPS files to a printer, or in desktop publishing and graphics programs that support EPS. LetraStudio typefaces can be used in combination with scanned or painted images and saved in RIFF for further manipulation with the ImageStudio image-retouching software. LetraStudio also supports the Pantone Matching System for specifying colour on screen and separating spot colours. Lets users control letter spacing, kerning and character height and width. Characters can be scaled, slanted and distorted to create a range of special effects. The program has 15 preset distortion shapes and tools for creating rectangles, circles and curves. Type forms can be fine tuned by adjusting shape control handles. Type can also be arranged inside or outside the circumference of a circle. The PostScript code of a file can be printed to a disk and edited with a word processor.

\$895

Letraset USA  
Letraset Australia

*2092 desktop publishing*

**MarkUp 1.02**

Offers workgroup editing and review of documents. An image from any Macintosh can be printed and published to a workgroup for review. Editors can add comments to transparent overlays of the MarkUp document. Tools are provided to rewrite, annotate, highlight, strike out, correct, manage and approve documents of all types. Keeps a journal and status of all editing activity. When the review is completed, a merge feature combines the group's comments and prints the annotated document as a basis for reworking the original.

\$395

All Macs  
Mainstay  
PICA Pty Ltd

*2092 desktop publishing*

**Multi-Ad Creator 2.2**

A full-featured page layout program specifically for designing display advertising for newspapers, magazines, ad agencies and graphic design houses. Includes an option to suggest layouts for display ads from supplied elements. Creates display ads in black-and-white halftones or colour. Imports MacWrite, ASCII, Microsoft Word, MacPaint, PICT, TIFF, RIFF and EPS files.

\$1,595

Mac Plus, SE  
Multi-Ad Services Inc  
Trio Technology

*2092 desktop publishing*

**Personal Press 1.0**

A low-end page layout offering from Silicon Beach. It offers well-developed word processing power with thesaurus and spell-checking, posted notes and custom styles. Graphically it offers image controls for greyscale photos, full 24-bit PICT colour support, and spot colour separations, adequate for most desktop colour printers.

POA

Aldus Corporation  
InfoMagic Pty Ltd

*2092 desktop publishing*

**Publish It! 1.2**

A full-featured publishing tool including page layout, word processing, typesetting, editing (drawing and text). Includes linking tools, advanced on-screen Help, a comprehensive Undo feature and full graphics editing. Features page magnification from 12% to 800% in single, facing and thumbnail pages; three master pages for left and right hand pages, and one for both sides of the page; and the ability to change bit-mapped images to EPS art. The word processor will not import from Word 4 and MacWrite II, but has a 160,000-word spelling checker and a 240,000-word thesaurus. Text effects include V-shaped, pyramid or slanted, flow text around or through a graphic, and rotate text or graphics in one degree increments, but not true WYSIWYG. Problems include imperial default page sizes; displaying US Letter size with margins for A4 set off the page; few keyboard commands for simple procedures; lengthy hierarchical menus; complex changes to graphics commands. Exporting text loses all formatting; importing text can be difficult as style sheets are not supported. The Undo command does not work for text formatting mistakes. By the same token it is inexpensive, uses a limited amount of RAM, is well-documented, includes 70 high-quality templates and a variety of EPS clip art.

\$575

Mac Plus, SE  
TimeWorks  
Dataflow Computer Services Pty Ltd

*2092 desktop publishing*

**Publish It Easy**

DTP for new or occasional users used to a word processor, but wanting to do a little bit more. Provides a built-in spelling checker and thesaurus, a floating toolbox and icons for jumping from page to page, a

floating-library palette to change the formatting of text and graphics. However it cannot be used to create custom-size pages. Imports text from the original MacWrite, Microsoft Word 3.0 and 4.0, Works, WordPerfect, and WriteNow; and bit-mapped, PICT and PICT2, Encapsulated PostScript, and black-and-white TIFF files. It has 33 paintbrush shapes and 64 pen sizes. Graphics can be converted from bit-mapped to PICT and back.

\$220

TimeWorks  
Dataflow Computer Services Pty Ltd

*2092 desktop publishing*

**Quark XPress 3.0**

Professional-level layout and precision typesetting tool. The word processor gives you full control over word and letter spacing, includes a built-in 80,000 word dictionary and spelling checker, global search and replace with wild card searches, and tabs with fill characters. Features automatic and manual hyphenation dictionary, variable font sizes (2 to 500 pt), document editing with sequential or facing pages displayed, print colour separations, mirrored and negative pages or images with registration marks; automatic pairwise and manual track kerning to 0.01 em space, absolute and relative leading with 0.01 point accuracy; automatic text flow from column to column, page to page, automatic page insertion for text overflow; default master pages, and page insertion from one XPress document to another. XPress will automatically wrap text around any graphic or object, and fill the gaps on any jagged side. Graphic scaling and cropping can be done visually and numerically. Page sizes are arbitrary up to 36 inches square. Import features include text files, MS Word, MS Works, WriteNow and MacWrite with all formatting intact, graphics from MacPaint, PICT, TIFF and Encapsulated PostScript formats. Printing options include Thumbnails overview, colour output to the ImageWriter II, and automatic tiling for oversized documents and newspaper publications. Version 3.0 adds a pasteboard metaphor and multiple, retroactive master pages, makes optional the parent/child method of grouping text blocks and adds flexible item grouping. Rotation of elements is handled on page and can be done in 0.001-degree increments. Thumbnails view now shows actual representations of the pages (rearrange pages within a document in the Thumbnails view or move pages between documents). Offers more kerning, leading, and text alignment controls. A text run-around feature will let users manually or automatically run text around graphics boxes of any shape.

\$1,495

Quark Inc  
Mitsui Computers Ltd

*2092 desktop publishing*

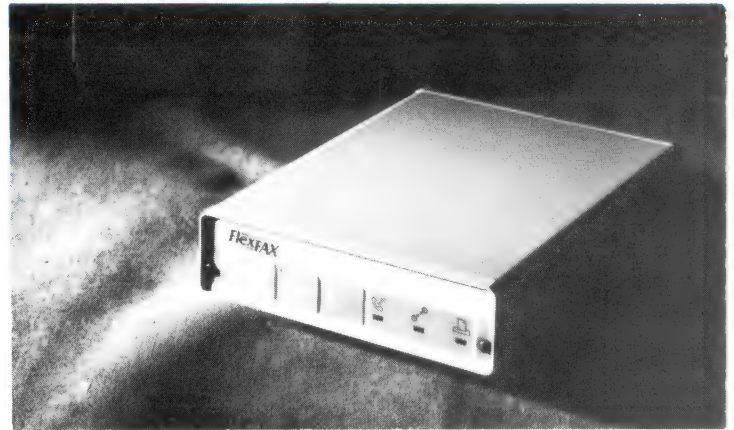
**Ready, Set, Go! 4.5**

PageMaker challenge in the desktop publishing arena, much lower in price and yet reasonably comparable in features. Version 4.5 adds typographic refinements and better image control: kerning and



# Flex**FAX**

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**To take advantage of FlexFax on your network, all that is required is for the network to be running either Microsoft Mail 2.0 , QuickMail or InBox. This will allow e-mail users on the network to send and receive mail messages directly from their Macintosh as faxes. Also send & receive e-mail messages to or from any Group 3 fax or fax modem. Puts an end to the endless lines at the office fax machine.**

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- *Advanced Error Correction recovers data even from damaged backup diskettes*
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- *Easy to use, with selectable user levels.*
- *Macro Language lets you completely automate or schedule unattended backups.*
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- HYPER DA •

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- 

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# MICRO PLANNER

## “Version 6”

MELBOURNE - SYDNEY - BRISBANE - AUCKLAND - WELLINGTON - U.K. - U.S.A.



tracking to one thousandth of an em; fractional font sizes, style sheets, thumbnail views, colour registration marks for spot colour separations, contrast and brightness controls for the editing of grey scale images, a search and replace function and much more have been added. \$760

Letraset USA  
Letraset Australia

#### 2092 desktop publishing

### Style 1.0

An entry-level desktop publishing tool which combines word processing and page composition features. Includes more than 70 predesigned page-layout templates for business forms, newsletters, books, and magazines. Features template preview; fonts from 2 to 500 points in one-point increments, line leading to 1/100 point, style sheets, auto text flow and hyphenation, 1 to 48 inch square page size, auto text wrap, three graphic drawing tools, line rule from hairline to 127 points, find/change text commands, 80,000 word dictionary and spelling checker, import text, supports grey scale, colour TIFF, RIFF, PICT, EPS, PICT2 and bitmapped. \$495

Quark Inc  
Mitsui Computers Ltd

#### 2092 desktop publishing

### TeXtures TeX product family 1.2

A fast, polished Mac TeX implementation: \$835. CM Fonts 1.5 triples the available font sizes, uses NFNT types and magsteps 0, 0.5, 1, 2, 3, 4, and 5 of all CM and LaTeX fonts (\$199). CM PostScript Fonts v.0.8 is a PostScript edition of the CM font family, which includes 40 faces from CM plus downloadable versions (\$795). MetFont 0.2 is an early release of MetaFont, for the knowledgeable (\$395). Edmetrics 0.1 converts Adobe Font Metric to TeXtures formats, plus slant, condensed and extended as well (\$9). SliTeX are LaTeX macros for creating large-format overhead transparencies (\$9). BibTEX is a bibliographic system for TeX (\$9). VirTeX is raw, unloaded TeX (\$9). LaTeX: \$199; AMS TeX: \$199.

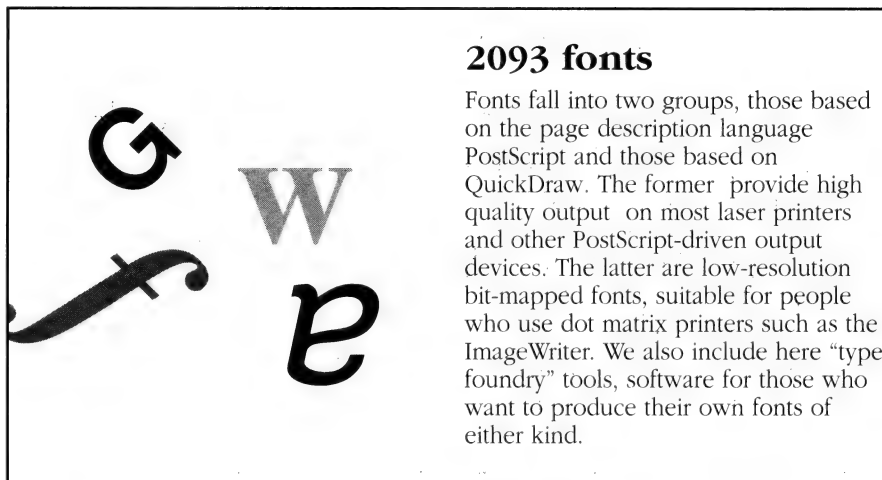
Mac Plus, SE \$9 to \$835  
Blue Sky Research  
Oxford Systematics

#### 2093 fonts

### Adobe Font Folio

Here is an 80 Mb hard disk containing the Adobe Type Library through to font pack 105, totalling over 450 typefaces. It is much cheaper than buying the fonts individually. It connects to the LaserWriter NTX SCSI port. InfoMagic offers a one-year warranty, a complete set of back-up disks for screen and printer fonts, and Font Downloader with which you can add new packages to the hard disk as they become available, delete unused fonts, or download PostScript programs to the printer. Other utility software is also included.

All Macs \$30,995  
Adobe Systems Inc  
InfoMagic Pty Ltd



#### 2093 fonts

### Adobe Plus Pack 1.0

This pack includes 22 fonts that together with the ATM software supply the full set of fonts found in the LaserWriter Plus, IINT, IINTX and most other Adobe PostScript printers. Plus Packs set of fonts give you both versatility and style.

All Macs \$325  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2093 fonts

### Adobe Publishing Packs 1.0

There are three Adobe Publishing Packs: Newsletters, Forms and Schedules, Displays and Presentations. Each publishing package features a "known expert" in each of the three categories; an advisor who has chosen the best fit of type styles for the usage. This is a low cost way of getting a collection of fonts for a specific purpose.

Mac Plus, SE, II \$619 to \$743  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2093 fonts

### Adobe Smart Art 1, 2, 3 & 4 1.0

A library of pre-built headline text and graphics effects that cleverly allow you to use the PostScript interpreter inside your printer to customise effects. Simple tools and a large variety of options. Some features: 15 effects in each volume; works as a desk accessory; complete help file; save as TIFF, PICT or EPS; four volumes to choose from.

Mac Plus, SE, II \$267  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2093 fonts

### Adobe Type Manager 2

A system software utility that builds type at any size from PostScript outline fonts, with no more jagged type on the page. These outline fonts are the same fonts used by PostScript printers. In essence, Adobe has extracted the part of the PostScript software that creates and scales fonts to different sizes. It also builds screen fonts of any size on the fly to permit easier kerning and letter spacing, and accurate screen representation for

## 2093 fonts

Fonts fall into two groups, those based on the page description language PostScript and those based on QuickDraw. The former provide high quality output on most laser printers and other PostScript-driven output devices. The latter are low-resolution bit-mapped fonts, suitable for people who use dot matrix printers such as the ImageWriter. We also include here "type foundry" tools, software for those who want to produce their own fonts of either kind.

users of desktop publishing and presentation software.

All Macs \$169  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2093 fonts

### Adobe TypeAlign 1.0

Offers significant type handling capabilities in a simple and elegant Macintosh DA. Rotate, manipulate and distort type in a variety of ways. Add perspective or skew simply by selecting and moving a corner point.

All Macs and ATM \$178  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2093 fonts

### Adobe Typefaces

A large selection of downloadable PostScript-compatible fonts. New fonts are continuously being released. At the moment there are more than 140 packages giving more than 600 faces, the largest library of PostScript fonts available from any Mac software publisher. For \$30,000, the total Adobe Font Library is available on an 80Mb hard disk, cheaper than buying the fonts individually. Price includes 12-month warranty and a complete set of back-up disks for screen and printer fonts. Font Downloader adds new packages to the hard disk, deletes unused fonts and downloads PostScript programs to the printer. Utility software is included.

All Macs \$175 to \$598  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2093 fonts

### Adobe TypeReunion 1.0

PostScript font menu organiser. Alphabetizes all your different PostScript language fonts by family name, with handy little submenus for different styles and weights. Reduces the length of a typical font menu by 75% to 80% and provides instant access to every font available on your Macintosh.

All Macs \$115  
Adobe Systems Inc  
InfoMagic Pty Ltd



### 2093 fonts

#### **Adobe TypeSet 3 1.0**

A special collection of Adobe's best selling text faces for newsletters, data sheets, headlines, or any document that needs a polished, professional look.

All Macs \$349  
Adobe Systems Inc  
InfoMagic Pty Ltd

### 2093 fonts

#### **Adobe TypeSets 1 & 2 1.0**

Two sets of display typefaces at a much lower than normal price. Use with Adobe Type Manager.

All Macs \$169  
Adobe Systems Inc  
InfoMagic Pty Ltd

### 2093 fonts

#### **ATF ProType 1.0**

A range of PostScript typefaces from the 20,000 typeface ATF library. ATF fonts support typographic scaling, support true perspective, arbitrary screen font sizes and kern pair tables. Special hints are used to enhance printing of small font sizes on low resolution printers.

Mac Plus, SE, II POA  
Kingsley/ATF Type Corp  
PICA Pty Ltd

### 2093 fonts

#### **ATF Type Foundry 1.0**

Creates high quality PostScript outline fonts, producing printer fonts, outline fonts, kern pair tables and other font matrix information. Characters can be drawn freehand or drawn from a TIFF template. Screen fonts can be generated in any size.

Mac Plus, SE, II POA  
Kingsley/ATF Type Corp  
PICA Pty Ltd

### 2093 fonts

#### **Bitstream Fonts**

Macfontware typeface packages provide an easy flexible way to use a variety of fonts. Printer support for most popular printers including LaserWriter and ImageWriter. Bitstream supports Apple's new NFNT standard for font identification, which eliminates font ID number conflicts. Fonts available include Baskerville, Charter, Futura Medium, Galliard, Headlines 1 and 2, ITC Garamond, Letter Gothic, Softfonts 13, 22 and 35, and Souvenir

\$208 ea.

Bitstream Inc.  
MicroAustralia Computer Products Pty Ltd

### 2093 fonts

#### **Compugraphic CD-ROM Type Library**

770 PostScript typefaces on a single compact disk. Smaller selections, down to 20 typefaces, are also on offer. Agfa offers bundles of the CD-ROM disk with a Toshiba CD-ROM drive. You receive the disk with all typefaces embedded, even if you only buy 20 at first. When you want more, call Agfa to secure the code for the extra faces you want to buy.

Compugraphic Corp  
Seligson & Clare

### 2093 fonts

#### **Evolution 1.0**

A type conversion utility which converts any PostScript Type 1 typeface to Type 3 and back again. It will also produce outlines of any PostScript typeface that can be edited in Illustrator or FreeHand.

Mac Plus, SE \$199  
Image Club Graphics Inc  
Trio Technology

### 2093 fonts

#### **Fluent Laser Fonts 2.1**

A collection of 22 volumes of downloadable PostScript "designer typefaces". Works with any program that has a font menu. Fonts are automatically sent to the printer. A font utility program is included to install the fonts on the printer's hard disk. Can be scaled and printed at any point size your program supports. Prints at maximum resolution. Includes clear screen fonts in 4 or 5 point sizes and extensive kerning pair information for automatic kerning. Supports Western European and Scandinavian languages. They come separately or in collections, offering a variety of typefaces at a low cost per family.

\$154/font volume

CasadyWare Inc  
Solutions

### 2093 fonts

#### **Fontastic Plus 2.0**

Create new bitmap fonts and typefaces, edit or resize your current fonts, or customize existing font sets with distinctive characters, logos, and graphics. Provides you with the ability to produce creative, quality output regardless of which QuickDraw printer you use. Supports kerning pairs and user-definable character spacing, in addition to complete bitmap font editing capabilities.

All Macs \$237  
Altsys Corporation  
InfoMagic Pty Ltd

### 2093 fonts

#### **Fontographer 3.1**

A PostScript font editor which uses MacDraw-like tools to create custom fonts, symbols and graphic characters for downloading to the LaserWriter. New characters can be added to existing fonts. Letters are drawn in 300 dpi resolution using straight lines and Bezier curves. Use is also made of graphic effects like drop shadows, slants and rotations. Includes a free copy of Fontastic.

All Macs \$795  
Altsys Corporation  
InfoMagic Pty Ltd

Altsys Corporation  
InfoMagic Pty Ltd

### 2093 fonts

#### **Fonts Plus/Headliners**

Seven Bitstream font families (18 type styles) for GCC printers. The Headliners fonts are 6 Bitstream font families (12 type styles) suitable for headlines (also \$425). Publisher's Choice is a set of two Bitstream font families (8 type styles: \$425).

\$425

GCC Technologies  
Next To Mac

### 2093 fonts

#### **FontShare 2.0**

Allows all Macs on a network to share downloadable laser fonts residing in any network file server. Compatible with Adobe Type Manager, PostScript typesetters, and all major network file servers. Includes a utility that keeps track of the number of pages printed per workstation, N-Font for font conversion to new NFNT format, and three downloadable fonts from ArtFonts.

\$399

Tactic Software  
Reliable Australian Distributors Pty Ltd

### 2093 fonts

#### **FontSizer 1.7**

A screen-font generator, it creates high-quality screen fonts of any downloadable PostScript typeface in sizes from 13 to 127 points. For producing large font sizes with true WYSIWYG. It turns the PostScript image of your font into a screen image. Creates permanent screen fonts in a suitcase that can be loaded into the System using Font/DA mover. It includes a bonus feature that removes unwanted font names from the Font menu by hiding the names of the styled fonts, reducing the length of your font menu by up to 75%.

\$195

US MicroLabs  
Solutions

### 2093 fonts

#### **FontStudio**

Font design and editing system which will import Adobe PostScript Type 1 and 3 fonts along with Letraset fonts, for enhancement and custom creations.

Letraset USA  
Letraset Australia

### 2093 fonts

#### **LetraFont**

A set of fonts used in conjunction with LetraStudio.

POA

Letraset USA  
Letraset Australia

### 2093 fonts

#### **LetterPress Complete CD disc 1.6**

A full range of over 600 PostScript typefaces. Contains popular typefaces from many of the world's most famous type houses. Typefaces are supplied in Type 1 and Type 3 formats, and in Illustrator outlines so they can be edited in FreeHand or Illustrator. CD-ROM drive required.

Mac Plus, SE \$7,999  
Image Club Graphics Inc  
Trio Technology

### 2093 fonts

#### **MacFontware Font Converter**

Font conversion utility for the GCC laser printer.

\$52

GCC Technologies  
Next To Mac

## 2093 fonts

### Monotype Expert Fonts

PostScript fonts, including screen fonts, kerning information and printer fonts.

Monotype Typography  
The Font Centre

## 2093 fonts

### Scruti-Indian language PostScript typefaces

Provides multiple typeface fonts for all Indian scripts: Devanagari, Gurumukhi, Bengali, Gujarati, Oriya, Tamil, Telugu, Malayalam, Kannada and Urdu. All conform to the Government of India's standard ASCII encoding scheme. Features: phonetic keyboard layout, built-in kerning, screen bit-maps, multiple weights (thin, medium, bold), downloadable PostScript fonts with supplied downloader, supports Apple LaserWriter, PostScript typesetters, and ImageWriter.

All Macs \$232+  
Ivy Systems  
Techflow Pty Ltd

## 2093 fonts

### Tech Fonts 1.0

A set of PostScript typefaces containing symbols and characters for electronics, science, and mathematics, suitable for publishers in any technical environment. Mac Plus, SE \$199  
Paragon Concepts  
Trio Technology

## 2093 fonts

### TypeStyler 1.01

This was the first program that let you do to type what you've been doing with graphics all along: bend, shape, curve or style. Designed to work as an accessory with most popular desktop publishing applications such as page layout, draw programs and more. As a stand-alone application it brings a new levels of control to projects like professional signs, gigantic banners, flyers and full-size posters. Features include the ability to manipulate many third-party PostScript fonts, to produce professional output on any Macintosh-compatible printer and import and export Paint, PICT, TIFF, EPS and Illustrator files. EPS files can be transferred to a MS-DOS machine. It supports on-screen colour and full page displays, and includes editable background artwork and templates. It comes with a library of 35 customisable shapes for text, in 35 styles.

All Macs \$350  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

## 2093 fonts

### Urdu Publisher

WYSIWYG implementation of Urdu-Nastaliq, giving the user the ability to see correct Nastaliq on screen and print it on a laser printer. Consists of IMPRINT-Urdu, Tajmahal PostScript and screen fonts, and the Urdu operating system. Simple keyboard layout, permits on-screen

editing, mixing with English or any other language. IMPRINT identifies the change in language and switches writing direction. All Macs \$2,800  
Ivy Systems  
Techflow Pty Ltd

## 2093 fonts

### World Class Fonts Series

Eight volumes of bit-mapped fonts for the ImageWriter. These include two volumes each of the Originals; the Stylish; the Giants; and the Triples. \$114 each

Emerald City Software  
International Dezyne Werkz

## 2093 fonts

### World Class Laser Type

Five volumes of PostScript-compatible display laser typefaces. \$114 each

Emerald City Software  
International Dezyne Werkz

## 2094 idea processing

### Acta Advantage

A total outlining system: an outliner, organiser, planner and "thought-gathering" tool. Allows you to organise random thoughts, clip art, quotes, etc. Includes the desk accessory and standalone applications in the one package. Mac 512K \$180  
Symmetry Corp  
Halldale Technologies

## 2094 idea processing

### MacFlow 3.1

A flowchart design and documentation program that supports a visual approach to organising project and logic flow. MacDraw-like flowchart objects are provided, and flow connections are maintained when the objects are moved and resized. Supports custom symbols and multiple pages. \$475  
All Macs  
Mainstay  
PICA Pty Ltd

## 2094 idea processing

### MetaDesign 2.0 2.3

A visual idea processor for describing complex systems graphically. Applications include flow charts, simulation and analysis diagrams, top down system design, presentation graphics, technical documentation, organisational diagrams, symbolic idea processing, source code documentation, communication networks and brainstorming. Integrates structured graphics and text in a relational framework to provide functions for creating and manipulating descriptions at different levels of detail. Focuses on graphics and text within graphics, allowing users to create, edit, manipulate and store multipage diagrams. Provide extended functionality, such as connectors between objects automatically redrawn, unlimited object substructure and interpage relationships – both hierarchical and non-hierarchical. Version 2.0 has no limit to the number of pages, tiled and scaled-to-fit output, PICT format, curved multi-

segment connectors. Features hide and show of status information, and comprehensive information available for each graphical object. All Macs \$475  
Meta Software Corp  
PICA Pty Ltd

## 2094 idea processing

### MORE III 3.0

Powerful outline processor, also creates presentation graphics by automatically generating a tree (organisational flow) chart or a bullet chart. Charts can be printed on paper or as overhead transparencies. Features include: cloning, hoisting, mark and gather, promote, demote, intelligent pattern matching, outline templates and calendar templates. Special functions include auto phone dialler; time management (a smart calendar with date stamping); and auto slide show. Outlines can be transferred to MacDraw, MacWrite, Excel and Microsoft Word. Version 3.0 boasts a much simpler user interface. The tool range has been expanded, and greater emphasis has been placed on user guidance and tutorials. Mac Plus, SE \$555  
Symantec Corp  
PC Extras Pty Ltd

## 2095 form design

### Adobe TrueForm 2.0

A forms processing program which automates your existing paper forms without having to replace them, change the way you work, re-train personnel or replace your current stock of pre-printed forms. Forms are digitised by scanning. Provides spreadsheet calculations, verification of the accuracy of entries, issuing warning or advisory messages, and guides the user through the process of filling out the form. TrueForm permits data sharing to databases, accounting packages or other computers on other platforms. It has many new features in the v. 2.0 upgrade: using multiple search criteria to search through forms; grouping logically related fields to prevent data entry errors; more spreadsheet and database functions and operators (forms can be completed with the keyboard or via database or spreadsheet merge); two levels of password protection; and built-in hooks for 4th Dimension databases. The printing interface enables you to print without leaving 4th Dimension. It offers 20 ready-made forms, but has no drawing tools. You can also print complete forms, or only their contents onto pre-printed forms. All Macs \$698  
Adobe Systems Inc  
InfoMagic Pty Ltd

## 2095 form design

### FastForms 2.0

A forms designer featuring a variety of drawing tools. Creates, fills, prints and saves a variety of professional-quality business forms. You can define fields for rapid data entry and custom reports. Forms can be edited, searched, imported, and exported. Forms can be numbered sequentially. Includes a desk accessory for retrieving forms. The variety of graphic

tools within FastForms includes true hairlines, PostScript grey screens, boxes and circles, and some object distribution tricks. Serves as a front-end for other database applications. When completed, use the FastForms DA to fill it out. Print the completed form and/or save the data to disk. Easily reproduces or alters existing forms by tracing over old forms from hard copy after scanning them in.

Mac Plus, SE \$275  
Power Up Software Corporation  
Halldale Technologies

#### 2095 form design

### InFormed 1.02

A complete forms design system available in two modules: Informed Designer and Informed Manager. Designer lets you create forms using special graphic tools for producing sophisticated fields and tables. Manager lets you fill them out on-screen. Designer \$550, Manager \$350.

Mac Plus, SE \$550+  
Shana Enterprises Inc  
Trio Technology

#### 2095 form design

### ReadForm

Add-on module for the OCR package Read-It! OCR Professional Version 3.0. Brings information typed in paper forms into Mac databases. Fully trainable, and each form needs to be "trained" just once. Also features a built-in cross-referenced library similar to the ones used by post office mail sorting machines, so that it can automatically cross check addresses, states and postcodes.

Mac Plus, SE \$495  
Olduvai Corporation  
Trio Technology

#### 2095 form design

### SmartForms Assistant 1.1v1

Allows users to electronically complete forms created with SmartForm Designer. Offers custom Help, pre-defined automatic calculations, and automatic formatting of data. The "Collect" feature allows SmartForm data to be collected from a variety of sources, such as disks or file servers, and database functions may then be performed on "Collected" data. Data may be exported in a variety of formats, including Merge, SYLK, DIF, DBF, tab-separated, or comma-separated for integration with spreadsheets and database programs.

Mac Plus \$85  
Clarix Corporation  
Micro Australia Computer Products Pty Ltd

#### 2095 form design

### SmartForms Designer 1.1

Forms designer for creating any form, from invoices and mailing labels to inventory tracking documents, to be filled in manually or electronically with SmartForm Assistant. Includes specialised form tools, a variety of duplication options, and standard drawing features. Offers automatic name recognition and formatting, and creates complex multi-part and multi-page forms. Custom Help may be incorporated with each form, and accessed when the form is completed electronically. Allows easy



## 2100 graphics

"Painting" and general drawing software used to create any kind of artwork apart from those generated in the CAD and Presentations categories. Various features are available (auto-tracing, bezier curves, rotation, stretching images, and so on), offering varying levels of sophistication. Consider also output formats in any graphics package — PICT, TIFF, Encapsulated PostScript, bitmapped only. The format affects how you may use the art you create and how you share files with other programs, as well as how you output your masterpieces. Colour and b/w

alignment and rotation of objects, has flexible font handling, and ships with a number of forms templates. Imports TIFF, EPS and bit-mapped graphics. Provides 145 form templates. Also available in multiple packs and by site licence.

Mac Plus, SE \$615  
Clarix Corporation  
Micro Australia Computer Products Pty Ltd

#### 2100 graphics

### Adobe Illustrator 88 3.0

Powerful graphics software for business and creative professionals. Gives smooth Bezier curves, and camera ready art, supports colour (Pantone or CMYK), and there's a blending tool that allows you to transform shapes or colour automatically. Generates custom patterns and textures, including overlay patterns for intricate cross-hatching effects. Preview on-screen, colours and all. If you like what you see, you can get colour output, colour proofs or colour separations. Enhancements include an auto-tracing facility; an improved blending tool, for such effects as airbrushes; and over 700 Pantone colours for precise pre-press colour imaging. MacDraw file translator included.

All Macs \$995  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2100 graphics

### Adobe PhotoShop 1.0

Image editing for colour or greyscale photographs. Combines painting, drawing and photo darkroom capabilities: complex special effects. Digitise any photograph, cut it out, combine it with other photos, alter colours, make it transparent or rotate it all on the Mac. Save images in EPS, or send files directly to an imagesetting bureau for colour separations.

II/II(c,i)x series only \$1,495  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2100 graphics

### Adobe Streamline 1.0

Automatically traces bitmapped images, either from an existing electronic file or a

scanned black and white line art image, and converts them into Adobe Illustrator files. After conversion, images can be used "as is", easily modified in Illustrator, or exported to any one of several page layout or word processing programs.

Mac Plus, SE, II \$698  
Adobe Systems Inc  
InfoMagic Pty Ltd

#### 2100 graphics

### Aldus FreeHand 2.02

Offers ability to bring in images from other sources for tracing and editing; line and curve tools for Bezier curve definition. Ability to generate camera-ready art from any printer or imagesetter that uses the PostScript language; ability to prepare plate-ready art by generating both spot and process colour separations and by incorporating screened values for colour tints.

Can be used to trace and enhance scanned images, with enhanced drawing capabilities useful for creating original art. Other features include flexible typographic functions, such as pair kerning, functions to produce four colour separation, editing in the preview window as well as the editing window, fountain and support for up to 100 levels of grey. Also available for classrooms.

Mac Plus, SE, II \$985  
Aldus Corporation  
InfoMagic Pty Ltd

#### 2100 graphics

### Barneyscan CIS-Gallery

Claims to be the first database that transforms scanned images into a fully indexed image catalogue. The emphasis is on catalogue management for, say, a slide bureau, where this software provides image-tracking including loan lists and a time-stamping system, printing of borrower reports, etc.

Barneyscan Corporation  
Mitsui Computers Ltd

POA



## 2100 graphics

### CA-Color Paint 1.0

Colour version of Cricket Paint. Provides flexibility in colour painting effects. Offers colour blending, and a variety of ramping options including single, double and dithered blends. Works with eight different overlay modes to build special layered pattern and colour effects. Animates for special effects, such as flowing waterfalls or billowing clouds. Mac 512K \$354  
Computer Associates International Solutions

## 2100 graphics

### CA-Cricket Graph 1.3

Creates high-quality graphs and charts using business, scientific, and engineering data. Features include: choice of 12 chart and graph types, import data from spreadsheets, databases and word processors, export to word processors, page layout and graphics, plus direct entry. Offers full range of mathematical operations, ability to plot more than 2,000 data points on one graph, full text editing, graphic macros, supports colour on Mac II, ImageWriter II and HP plotters. Mac Plus, SE, II \$255  
Computer Associates International Solutions

## 2100 graphics

### CA-Cricket Paint 1.0

Monochrome paint program including customisable tools, the option to work at higher screen resolutions than the Mac screen (seven levels from 72-300 dpi), to match the LaserWriter. The FreshPaint feature adds an object-oriented approach without introducing multiple layers. As you draw a shape, fine tune it as if it were a drawing object, and then click outside the shape, it becomes a bitmap. The Texture tool resembles an airbrush, with which you may create realistic and rich textures such as foliage, fur, metal or cloth. Offers a range of paint tools. Most file formats are supported. \$234

Computer Associates International Solutions

## 2100 graphics

### CA-Cricket Stylist

Second generation Cricket Draw in full greyscale and 32-bit QuickDraw colour, almost a complete re-write of the original Draw program. POA

Computer Associates International Solutions

## 2100 graphics

### Canvas 2.0 2.1

A complete integrated graphics environment, providing tools for use with PICT, Paint, TIFF and PostScript images; supports manipulation of graphic images from 300 dpi to 2,540 dpi resolution. Features include graphic macros, powerful alignment and duplication commands, WYSIWYG text editing and graphic editing up to 3,000% magnification. Additional features include auto-tracing, multi-point

Bezier curves and smooth polygons, unlimited layers, 16.7 million colours, grey scales in 1-degree increments, and zoom from 3 to 3,200%. A DA that supports most of Canvas's features is also included. All Macs \$495  
Deneba Software  
PICA Pty Ltd

## 2100 graphics

### Colorsqueeze

Image compression software which can reduce 24-bit colour PICT and TIFF files by factors up to 14:1. A typical 768K 24-bit file can be compressed to between 55K and 154K, and the data contained in the compressed file can be used to support the JPEG standard. Compression takes less than 40 seconds on a Mac IIX, entirely done in software. POA

Kodak [Australia] Pty Ltd  
Verbatim Pty Ltd

## 2100 graphics

### ColorStudio 1.1

Sophisticated colour image enhancement/separation applications. Offers true colour retouching, calibration, masking, colour correction with realtime preview, a range of special effects and custom tools. Matches input colour to the display and then to the selected printer, a weak link with colour pre-press. Version 1.1 adds drivers for additional scanners, and new features: a General Separator for improved colour matching of highly saturated greens and blues; Crosfield and Scitex import/export capabilities; expanded print table options to increase the range of colour and high-resolution output devices supported by its calibrated separation; support for pressure-sensitive input from the Vacom cordless stylus. POA

Letraset USA  
Letraset Australia

## 2100 graphics

### Cricket Pict-O-Graph 2.0

A pictogram tool for business, science, and publishing applications. Can be used to create colour pictograms, produce specialized pictograms with integrated text, position pictograms for side-by-side comparisons, import existing files from CA-Cricket Graph and other programs, and export pictograms to desktop presentations with CA-Cricket Presents. Mac Plus, SE, II \$210

Computer Associates International Solutions

## 2100 graphics

### DeskPaint/DeskDraw 3.0

A colour painting program that comes as a DA. Create/modify graphics while working within any application. Handles PICT and TIFF files, including 24-bit colour images. Graphic tools include: hand, paint brush, zoom tool, paint bucket, pencil, lines, variable sized eraser, circle, rectangle, and round rectangle, fonts with style and justification, including the ability to create user definable text "fields", several copy modes (normal, transparent, inverted). You can also select line, fill and

brush patterns. Other features include editing MacPaint files at 72 dpi and TIFF files up to 4000 dpi; special Laser Tools to scale images for the LaserWriter; adjust brightness or shading, especially on scanned images; large screen support; free rotate, flip, and reverse images; magnify images up to 16 times (editable at every level); comprehensive range of Paint tools and patterns.

Mac Plus \$325  
Zedcor  
Trio Technology

## 2100 graphics

### Digital Darkroom 2.0

Provides the capabilities of a photographic darkroom so you can merge and blend greyscale scanned images, transform and resize them. Some features: Filters and brushes; AutoTrace to convert scanned images to line-art (for use as EPS files in other programs and hi-res printing); transform images, reflect, rotate and more; advanced printing features enhances final image. Includes a Magic Wand selection tool, which selects according to contiguous grey values, allowing users to pick a complex shape out of its background by clicking on it. Manipulate the brightness and contrast, control the half-tone options, and pass the image through filters that blur, sharpen, enhance edges or remove noise. Special effects include posterise, inverting and equalising. Advanced users may adjust a gray map that represents the greyscale information, applied to the entire image or to selected regions. Portions of an active selection can be clipped and deleted with the Scissors tool. Paste selections in front of or behind an existing image, or blend with it. Imports and exports files in PICT, PICT2, TIFF, MacPaint, SuperPaint, EPS, Illustrator and ThunderScan formats. Also features image, scanner and printer calibration; colourisation as true 24- and 32-bit colour; realtime transformations; image composition controls; one and 8-bit brushes to modify images; precise layout environment. Mac Plus, SE, II \$598

Silicon Beach Software Inc  
InfoMagic Pty Ltd

## 2100 graphics

### Draw Tools (for MacDraw II)

A collection of three DAs created specifically for use with MacDraw II. Re-size objects either absolutely or as a percentage. Move any object so that the nearest sides touch without overlapping. Construct fillets, extend or clip lines and arcs and snap lines. \$145

Paracomp Inc  
Firmware Design

## 2100 graphics

### Enhance 1.2

A greyscale image editor for graphic design or technical work. Includes many tools for manipulating and enhancing images. Well-suited for technical environments such as science and medicine.

Macintosh 2Mb \$795  
MicroFrontier  
Trio Technology

## 2100 graphics

### ImageStudio 1.5

A sophisticated scanned-image retouching and graphics tool, for enhancing scanned photographs and line art. Supports up to 65 shades of grey, allowing users to zoom into a Fatbits mode and change the grey value of individual pixels. On the Mac II, it can display images with their greyscale data for fine tuning. Tools include a pencil; a charcoal stick, which gradually builds up to a specific shade of grey; a realistic paintbrush (splatters and all); a water drop for smoothing out rough edges; and a finger for blending together shades. There are also more than 30 special tools and pens for special effects like highlighting, airbrushes, edge-softening, and paint-smearing. A powerful greymap editor lets users modify picture contrast and brightness, in realtime with a greyscale or colour monitor. The greymap editor lets users create negatives or special effects like posterisation and solarisation, or create custom greymaps for even more specialised effects. An assortment of photographic filters lets you control image sharpening, blurring, diffusion and even edge tracing. Digitised images can be brought in from most popular scanners using a variety of file formats including TIFF, ThunderScan, RIFF, and MacPaint. Export retouched images through TIFF, RIFF, EPS or MacPaint. Produce your final copy to any PostScript device. Mac Plus, SE, II \$895  
Letraset USA  
Letraset Australia

## 2100 graphics

### MacPaint II 2.0

The upgraded version of the original Paint program for the Mac. Features include multiple windows and tear-off menus. MacPaint will automatically scroll a document when using the drawing tools. The Snapshot function enables users to capture an image in a particular format. The "Magic Eraser" will allow selective erasure of an image, back to the Snapshot form. Also available in Danish, Dutch/Flemish, Finnish, French, German, Italian, Japanese, Norwegian and Swedish editions. Available in single units, in multiple packs and by site-licence. Mac 512Ke \$199  
Claris Corporation  
MicroAustralia Computer Products Pty Ltd

## 2100 graphics

### MasterColour

Colour version of MasterPaint. New features include a transfer command for selective colour "search and replace", and colour-blending options that include ramping and dithered blends. Contains a Texture tool to create such textures as granite, velvet, metal and cloth. For the entire Mac II range, colour display in 8-bit. \$320

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

## 2100 graphics

### MasterPaint

Combines the flexibility and control of object-oriented drawing with the precision

of bit-mapped painting. Its Custom tool saves any image as a "personal tool" that can be recalled at any time. Supports seven levels of resolution between 72 and 300 dpi. Has user-definable patterns and custom borders. Creates text, with multiple fonts and sizes. Free rotation of shapes.

\$160

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

## 2100 graphics

### Metamorphosis 1.5

Manipulates type outlines in various drawing programs. A utility for converting PostScript fonts into editable outline formats. The outlines that Metamorphosis produces are identical to the outlines of the original font.

All Macs \$475

Altsys Corporation  
InfoMagic Pty Ltd

## 2100 graphics

### Pattern Mover

Allows the creation and editing of palettes of patterns and the subsequent linking of specific paint files; includes the ability to generate random patterns using mirroring techniques across four axes or any multiple of the four axes; included in WetPaint volumes.

POA

Emerald City Software  
International Dezyne Werkz

## 2100 graphics

### PICTure This

Converts images stored in 16 graphic formats, including IBM PC, Sun, Amiga, into editable Mac PICT2 files. Used as a DA or application, it can convert black and white, greyscale and colour up to 24-bit images. Once converted, the files can be imported to any Mac application, and modified using paint and draw programs.

All Macs \$165

FGM Inc  
PC Extras Pty Ltd

## 2100 graphics

### PixelPaint Professional 2.0

An array of graphics tools and painting tools, including airbrush for creating and enhancing hi-res colour graphics. Supports 8-, 16-, 24-, or 32-bit colour depth. Allows the user to select from 16.7 million colours and create custom palettes of 256 simultaneous colours. Supports the Pantone colour matching system, prepares 4-colour separations and utilises dithering to eliminate colour banding. Includes PixelScan, a utility for importing colour and greyscale scanned images. Import drawings as MacPaint, PICT, PICT2, EPS or black and white TIFF files and print to a LaserWriter, colour thermal printer or film recorder.

Mac II; 2Mb \$950

SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

## 2100 graphics

### Studio/1 1.0

This is a Paint program with a difference. Not only do you have the power of a

MacPaint style program but it provides animation as well. The monochrome program offers two animation techniques. One (AnimPainting) has a created object follow a designated path by generating the images needed from the start to the finish point; the other (Animoving) is a hybrid 2D/3D approach where the former is mapped into a 3D database. Studio/1 saves animations very efficiently by saving only the differences between frames.

\$215

Electronic Arts  
Entertainment & Computer Products

## 2100 graphics

### Studio/32

32-bit colour painting, image enhancement, with all major colour matching models, and output options for 4-colour separation with compatibility to PostScript and QuickDraw printers, a scanner utility, a slideshow presentation function, and more.

POA

Electronic Arts  
Entertainment & Computer Products

## 2100 graphics

### Studio/8

1.0

Preserves the MacPaint interface standards, but adds many supersets. It offers the image distortion (the "bend" effect), where a selection can be wrapped around an imaginary shape; programmable airbrushes; modifiers for ordinary paint tools such as pencil, eraser, paintbrush, polygon; fully editable Bezier tools; make selected colours opaque or translucent; finds and highlights specific colours in the document; mask and reverse mask objects; perspective plane; brush creation; colour mixing and gradation. It lacks a colour separator for output. Excellent on-screen Help; utilises virtual memory so the program will run on 2Mb.

Mac II, 2 Mb RAM, 6 Mb disk space \$600

Electronic Arts  
Entertainment & Computer Products

## 2100 graphics

### SuperPaint

2.0

Combines painting and drawing capabilities. Customisable features and selection tools in the Paint layer offer flexibility, while the Draw layer offers precise graphic control; AutoTrace bitmaps objects for more precise images. Transform images with rotate, slanting and more; mix fonts, sizes and styles. The software supports TIFF images from scanners, and offers a colour preview.

All Macs \$298

Silicon Beach Software Inc  
InfoMagic Pty Ltd

## 2100 graphics

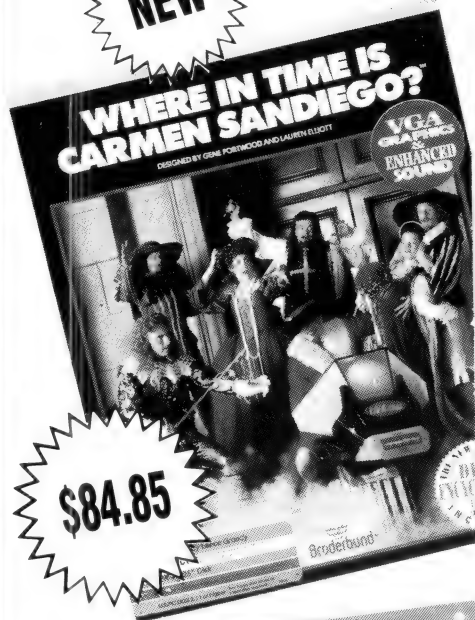
### The Art Importer

2.0

Creates hi-res PostScript fonts from artwork. Converts images from EPS format in FreeHand and Illustrator, and from PICT format in MacDraw II, SuperPaint and other popular object-oriented Macintosh drawing programs. Each font supports up to 256 graphic characters for high quality output from any program - even spreadsheets and word

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processors. Also includes integrated bitmapped font editor for touching up the screen fonts. PostScript output offers precise reproduction.  
All Macs \$295  
Altsys Corporation  
InfoMagic Pty Ltd

*2100 graphics*  
**The Curator 2.0**

Stores graphic images of various formats, and allows you to retrieve them by topic or key words. Useful for storing large amounts of clip art.  
Mac Plus \$245  
Solutions International Inc  
Trio Technology

*2100 graphics*  
**UltraPaint 1.0**

A full-featured painting program for monochrome and colour painting, greyscale image editing, and object drawing. Standard painting tools are included, plus blended fills, masking, special effects tools, and rotation. Colour selection is 256 shades from a 16.7-million colour palette. Greyscale image manipulation tools include contrast and brightness, sharpen and blur, and effects brushes. Object drawing tools include layers, rotation, advanced Bezier curves, and smooth polygons. Its "Open Architecture" approach gives developers full access to all the building blocks that make up the program's core. Compatible with MacPaint, PICT, PICT2, TIFF and MacDraw I. SuperPaint owners may "trade up".  
All Macs \$345  
Deneba Software  
PICA Pty Ltd

*2100 graphics*  
**VideoPaint**

A French-made 8-bit painting and editing program. Extensive feature list: special effects including spherisation, blur, smudge, diffuse, contour, symmetric Bezier curves, dithering, fractals, wrapping of an image or pattern onto 3D surfaces, and more. Stencil and mask tools are included, and the software has colour separation capabilities with a special preview function. Built-in drivers for popular scanners from Sharp, Microtek and Apple complement numerous import/export facilities. Advanced features include 3D wire frames, rendering with control over light sources and shades, and indeed an open architecture which allows developers to write special effects using Pascal, C or Assembly language. The range of formats and import/export options is formidable. VideoPaint 32, a 32-bit version, is also expected.

POA  
Olduvai Corporation  
Trio Technology

*2100 graphics*  
**VideoQuill**

Character-generating software for adding high quality text to digitised colour images or live video using the SE/30 or Mac II. Imports 24-bit (or less) images, and can draw text in either 16-bit or 24-bit colour. Text is created and stored as objects (not

bitmaps), allowing adjustments at any time during the creation process. Also, VideoQuill text is anti-aliased to remove any jagged edges from characters for improved visual resolution and higher quality output. Uses its own fonts (extra font package available at \$654).  
II/II(c,i)x series or SE/30 \$654  
Data Translation Inc  
TCG Systems Automation Pty Ltd

*2101 artwork*  
**Ad-Builder Electronic**

An annual clip art subscription service provided on CD disks. Subscribers receive a CD disk every two months containing PostScript art on various topics, plus complete ads designed in Multi-Ad Creator.  
Mac Plus CD-ROM \$2,999 per year  
Multi-Ad Services Inc  
Trio Technology

*2101 artwork*  
**Adobe Collector's Edition #1 1.0**

Editable collection of PostScript clip art. Includes two typeface outlines, a medium weight serif and sans serif face, 100 borders, and 300 dingbats. All of these can be twisted, turned, stretched, rotated, reduced, enlarged, and coloured. Print them out on any PostScript printer. They're resolution independent, so they'll print at the resolution of your printer. Requires Illustrator or FreeHand.  
All Macs \$223  
Adobe Systems Inc  
InfoMagic Pty Ltd

*2101 artwork*  
**Adobe Collector's Edition #2 1.0**

Patterns and Textures is divided into five categories including Architectural, Basic Graphics, Cartographic, Classic and Geological. Includes the official US Geological Survey and Architectural Graphic Standards. Requires Illustrator or Illustrator88 software and a PostScript printer.  
All Macs, 2Mb \$393  
Adobe Systems Inc  
InfoMagic Pty Ltd

*2101 artwork*  
**Artbeats**

A collection of full page background images in EPS format. Comes in a variety of categories including: Dimensions Vols. 1 and 2 (hi-tech images containing 3D perspectives, textures and reliefs); Natural Images (renditions of natural textures, elements and landscapes); and PotPourri (a variety of textures and avant garde images).  
\$128

Artbeats Inc  
Reliable Australian Distributors Pty Ltd

*2101 artwork*  
**ArtRoom 4.0**

CD-ROM retrieval system contains 1,000 PostScript images, plus 100 PostScript advertising fonts. ArtRoom Retriever places the image in any PostScript formatted document.  
\$1,595

Image Club Graphics Inc  
Trio Technology

*2101 artwork*  
**Australiana Clip-Art**  
A three disk set of typical Australian clip art for use in posters, publications and documents. Numerous pictures include old household items and products once found in Australian homes, and typical Australian bush wildlife and flora.  
\$77

Garde, Inc  
International Dezyne Werkz

*2101 artwork*  
**Clipables**

More than 600 professionally-drawn illustrations in EPS format. Covers a wide variety of topics, including business, humour, maps, animals, people, music, holidays, sports, transport, and an extensive general portfolio. May be imported to any program that accepts EPS graphics, and can be edited in Illustrator or FreeHand. For ease of use includes a catalogue of all illustrations.  
\$220

Computer Application Resources Inc  
Reliable Australian Distributors Pty Ltd

*2101 artwork*  
**DarkRoom 1.0**

CD-ROM retrieval system: a stock photo library of 500 professional ready-to-use photos, categorised by sport, business, lifestyles, travel. Photos can be placed in any application supporting TIFF file format.  
\$699

Image Club Graphics Inc  
Trio Technology

*2101 artwork*  
**Digi-Art**

Hi-res PostScript clip art for the Mac on a variety of topics, for LaserWriter or Linotronic output. Twenty volumes, containing maps, people, business, sports, cartoons, design elements and letters, food and entertainment, lifestyles, celebrities, silhouettes, design backgrounds, etc.  
Mac Plus \$199  
Image Club Graphics Inc  
Trio Technology

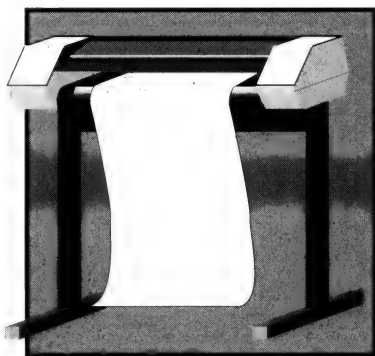
*2101 artwork*  
**MacGraphics**

Twelve disks containing 9Mb of bit-mapped graphics on a variety of subjects, suitable as clip art.  
\$190

MacAmerica International  
Next To Mac

*2101 artwork*  
**MacMaps Atlas 1.1**

Contains 152 MacPaint maps of the world, including Australia's major cities, New York and London, and over 2,000 locations. Maps can be modified, copied and pasted into documents, reports and educational projects. Permits zooming in, enlarging, and travel in different directions. Demo copy available.  
Mac Plus, SE, II \$150  
MacMaps  
MacMaps



## 2102 CAD and design

Computer-aided drafting and design programs used to create two- and three-dimensional illustrations, diagrams, spec sheets and blueprints, especially for applications in mechanical, architectural and electrical engineering. The top of the league can build up complete "solid" models, shown as objects in light and shade from movable light sources. They may also offer complete material quantities calculations.

2101 artwork

### MacTut ProGlyph

Bitmapped fonts and clip art in the style of ancient Egyptian hieroglyphics. Requires a word processor or paint program.

\$86

Emerald City Software  
International Dezyne Werkz

2101 artwork

### Multi-Ad Search

1.0

A clip art database for images in MacPaint, TIFF, PICT and PostScript formats. Can handle 24-bit colour. Images can be searched for quickly by a variety of criteria, including user-specified key words.

\$295

Mac Plus  
Multi-Ad Services Inc  
Trio Technology

2101 artwork

### The Ark

Images of animals, insects, fish, reptiles, birds.

\$99

Garde, Inc  
International Dezyne Werkz

2101 artwork

### WetPaint Clip Art

Bitmapped clip art: Classic Images Vols 1 and 2; Publishing Vols 3 and 4; Animal Kingdom Vols 5 and 6; Special Occasions Vols 7 and 8; Printer's Helper Vols 9 and 10; Industrial Revolution Helper Vols 11 and 12; Old Earth Almanac Vols 13 and 14; Island Life Vols 15 and 16; All the People Vols 17 and 18.

\$114

Emerald City Software  
International Dezyne Werkz

2102 CAD and design

### 4D Draw

A complete object-oriented drawing module on the order of MacDraw, for use within the 4th Dimension database. This connection makes it possible to associate a drawing with a record in a database, creating "live" links between objects in the drawing and other information in the database.

POA

ACI France  
Softies Pty Ltd

2102 CAD and design

### Aperture

1.7

A visual information manager based on a full-featured 2D colour CAD program with links to an integrated database and report generator. Can create complete visual systems integrating CAD drawings, text data associated with any object, linked drawings, and scanned images. Supports 256 drawing layers, named views, real-world dimensions, symbol libraries, attributes, styles, dimensions, and button links.

68030-based Macs only  
Aperture Technologies Inc  
PICA Pty Ltd

POA

2102 CAD and design

### Autocad

Release 10

Features support for 3D wireframe construction and surface modelling and lets users work simultaneously in both 2D and 3D in the drawing database. Includes dynamic viewing and extended data handling that allows greater integration with external databases. Supports a wide variety of specialised Autocad third-party programs, including numerical control programming, facilities management and civil engineering on the Mac.

\$5,222

Autodesk Inc  
Autodesk Australia Pty Ltd

2102 CAD and design

### Clariscad

2.0

Offers more than 100 new features over the previous version. Provides speed, ease of use and full 2D drafting capabilities. The "Tools, Methods and Modifiers" technique offers users an accelerated learning curve. The new Graphic Guide is fully customisable; it tracks and interprets the user's mouse motions, automatically guiding users to fast, accurate drawing and editing. Incorporates Claris' XTND, which allows developers to create applications and utilities for exchanging graphic information in other formats.

Data may be exported from Claris CAD 2.0 to spreadsheets and databases to create Bill-of-Materials and schedules. The Intelligent Wall capabilities allow easy creation, reshaping, dimensioning and filling of wall objects. Claris' context sensitive, on-line

HyperHelp technology is included. Also includes a training video and supports A/UX 2.0. The Claris Graphics Translators provide access to DXF and IGES file formats. MacDraw II owners may also update to Claris CAD. Available in single units, in multiple packs and by site-licence.

2Mb \$1,259  
Claris Corporation  
Micro Australia Computer Products Pty Ltd

2102 CAD and design

### Clariscad Graphics Translators

1

Convert 2D files between Claris CAD, MacDraw II, IGES 3.0, and IGES 4.0 formats. Files may be also converted from MacDraw (PICT) to the above formats.

Plus, \$418  
Claris Corporation  
Micro Australia Computer Products Pty Ltd

2102 CAD and design

### Design/OA

1.0

Makes possible the rapid customisation of the Design application. The menu structure may be altered by removing of any of the standard menus and the addition of new menus. The new menus may make direct use of the functionality of the standard menu structure. These may also invoke new routines written by the user. These routines may utilise an extensive library of subroutines consisting of the Mac Toolbox, Manx C library and the Design Open Architecture Interface.

All Macs \$15,000  
Meta Software Corp  
PICA Pty Ltd

2102 CAD and design

### DynaPerspective

2.0

A 3D modelling and design presentation program for standalone use or to enhance CAD systems. Three-point perspective view control; light-source shading and surface transparency capabilities. Three colour palette modes offer 16.5 million colours. Create frame-by-frame walk-through presentations. DynaPerspective parts library included. Import/export and save PICT files.

\$1,490

Dynaware Corp  
Reliable Australian Distributors Pty Ltd

2102 CAD and design

### In-CAD

2.0

Includes 2D CAD, true 3D CAD and modelling, DXF and IGES transfer, and plotter support. The 3D capabilities are based on a 3D Constructive Solid Geometry database that handles block primitives and Boolean operations for adding and subtracting material. In-CAD's internal database allows the engineer precise calculation of area, volume and mass properties.

1Mb, SE - IIfx \$4,500 +  
Infinite Graphics Inc  
Intuitive Systems

2102 CAD and design

### MacDraw II

1.1v2

A 3-10 times faster update of Apple's original object-oriented drawing program for the Mac. Zoom capability enlarges the

drawing area up to 32 times or reduces it down to 3% of normal size; objects can be rotated at any angle; create object libraries for frequently-used objects. Offers enhanced speed for complex drawings, a spelling checker and a Notes feature which allows the user to annotate documents with electronic stick-on notes. The spelling checker shares dictionaries with other Claris products. Slide Manager capabilities facilitate previewing, sorting, editing and managing 35mm slides and overhead transparencies for presentations. Supports slide-imaging devices. Features keyboard commands with Claris' on-line HyperHelp, and permits the user to designate default settings and specify them as menu choices. Provides on-screen colour, colour output and colour separations, and exports graphics via the Clipboard, PICT and PICT2 formats.

Plus \$625

Claris Corporation

MicroAustralia Computer Products Pty Ltd

## 2102 CAD and design

### MathCAD 2.5

A scientific and engineering scratchpad that allows free-form definition of mathematical data, including graphs and tables. The user simply defines all variables, data, and graphs in a presentation quality document: MathCAD does all calculations. Capabilities include unlimited document length and width, built-in trig, hyperbolic, matrix, statistical, and fourier transform.

All Macs POA

MathSoft

Dimension Graphics

## 2102 CAD and design

### ModelShop 1.1

Three-dimensional design software for architects, developers, city planners, landscape architects, interior and exhibit designers, illustrators and renderers. Create standard and complex 2D and 3D objects, including lines, cuboids, circles, cylinders, regular and irregular polygons and polyhedra (prisms) and solids of revolution (lathed objects). Features fast wireframe redraw, hidden surface removal and shading with the ability to view the result from any angle.

All Macs \$895

Paracomp Inc

Firmware Design

## 2102 CAD and design

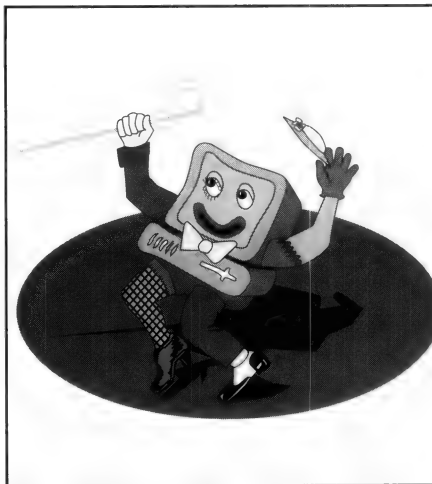
### Super 3D 2.1

A drawing and design package for 3D wire-frame or solid objects. Duplicated objects are only stored once, thereby saving memory and disk space. Displays four views and uses the functions of both line drawing and rotation, extrusion and merging. Feature include: 16,000 colours or shades displayed, zoom in and out, a choice of four variable and definable light sources, 68881 math coprocessor-compatible for speed, files can be exported as PICT, PICT-2 or EPS, and PostScript compatible. Animations can be created and saved for future playback on the Mac II.

All Macs \$779

Silicon Beach Software Inc

InfoMagic Pty Ltd



## 2103 presentation and animation

Packages that produce pie charts, bar charts, line graphs, organisational charts, "desktop presentations" (for use in seminars as overheads, for instance), or other graphics used by business people or educators to present information. Included here also are programs for the creation of animations and other film-like presentations. Some will run slide shows on screen, others will output to 35mm photographic slide machines or will allow dumping of live animations to video tape.

## 2102 CAD and design

### Swivel 3D 1.1

An easy-to-use 3D modelling and rendering package. Good user interface. Objects may be linked to simulate objects such as hinges and joints which can be realistically manipulated. Multiframe animations of objects can be simply created by setting up key frames. Animations may be exported as PICS files directly into MacroMind Director.

All Macs \$695

Paracomp Inc

Firmware Design

## 2102 CAD and design

### Swivel 3D Professional 1.0

This high end version of Swivel 3D adds 32-bit rendering, multiple light sources and many other new or improved features. In addition to regular Swivel 3D features, it is also possible to save models in RIB format for export to Pixar Renderman for photo-realistic imaging.

II/II(c,i)x series only \$995

Paracomp Inc

Firmware Design

## 2102 CAD and design

### The Gibbs System 3.02

Macintosh ncCAD/ncCAM software designed with the machinist in mind. ncCAD is a 3D interactive CAD application: users create shapes from a blueprint or import a drawing created in another CAD program. ncCAM is a 3-axis application that creates a machine program from user-defined operations, which are then be sent to a mill or lathe. Includes drivers for several hundred machines.

Mac Plus - Mac IIfx \$6,000 +

Gibbs and Associates

Intuitive Systems

## 2102 CAD and design

### VersaCAD 2.11

An integrated program containing VersaCAD Mechanical and VersaCAD Architect for mechanical part design. Incorporates ANSI, DIN, and ISO standards and permits mechanical engineering functions such as geometric tolerancing and controls, associative dimensioning, standard symbols and

linestyles, and two mechanical symbol libraries. Incorporates standard dimensioning symbols including counterbore, countersink, depth, slope, conical taper, reference, arc length and diameter; standard linestyles such as centre lines, phantom lines, break lines, and cutting plane; a large library of standard doors and windows and auto dimensioning in both metric and imperial.

POA

n/a

Prime Computer of Australia Ltd

## 2103 presentation and animation

### 3D Works

The latest animation program from the creators of VideoWorks II includes RenderWorks to comply with professional multimedia/animation standards, and works with models and shapes generated from a number of Mac 3D programs via the 3DGF data interchange standard. Swivel 3D, Pro 3D and Phoenix 3D are currently supported. Once a model has been loaded in, it can be manipulated and animated. Models, cameras and lights all exist as objects and can be attached to other objects; any object parameter can be animated.

Functions in 24-bit colour with the RasterOps or Truevision NuVista cards.

Mac SE, II

MacroMind Inc

Firmware Design

## 2103 presentation and animation

### Aldus Persuasion 2.0

Aldus' entry into the presentations market, aimed at the creation of overheads, speaker notes and 35mm slides. Includes an outline processor, automatic slide layout, charting and graphs, drawing tools, slide sorter. Comes with templates. The software design emphasises ease of use. Also available for classrooms.

All Macs \$985

Aldus Corporation

InfoMagic Pty Ltd

## 2103 presentation and animation

### Authorware Professional

(Previously Best Course of Action.) Provides an easy-to-use vehicle for the creation of courseware on a Mac II. Both design and authoring system, cutting down computer



based training development time by 30-40% over similar application in MS-DOS environment. Features advanced graphics and sound. Authorware Professional \$9,950; Authorware Academic \$825. Also special educational and corporate prices. Supports VideoLogic DVA-4000/Macintosh .  
Mac Plus, SE \$9,950  
Authorware  
Learnware

*2103 presentation and animation*  
**CA-Cricket Presents 1.0**

Integrated desktop presentation package equipped with a template library of pre-created frame formats, charts and graphs. Capable of 256-colour image creation and output. Also includes an exclusive Autographics imaging driver, which enables users to transfer files to Autographics Service Centres worldwide by modem or by mail for full colour 35mm slides, overheads or prints.  
Mac 512K \$594  
Computer Associates International  
Solutions

*2103 presentation and animation*  
**Decorative Stone Attributes Library**

Part of a series which also includes a Wood Attributes Library. Libraries of textures to apply to 3D models.  
68030-based Macs only \$235 each  
Strata Inc  
Keyway Computers

*2103 presentation and animation*  
**HyperAnimator 1.5**

Animation for HyperCard. It allows you to create and control lip-synchronised talking actors or sound-synchronised images. Use any of the nine actors that come with the program or create as many of your own characters as you like using simple paint tools or clip art images. Creates new generation human interface for use in education, training, entertainment, and telecommunications.  
\$240

Bright Star Technologies  
Solutions

*2103 presentation and animation*  
**interFACE**

HyperAnimator's big brother (used by Disney Studios). In addition to HyperAnimator's features, it offers: multiple on screen actors, flexible actor sizing, 120 facial image positions, colour or black and white images, imports colour to HyperCard and includes sample agent desktop presentation program. Compatible with C, Pascal, SuperCard, HyperCard, and most products that support XCMDs. For general-purpose animation.  
Mac Plus, SE \$755  
Bright Star Technologies  
Solutions

*2103 presentation and animation*  
**MacroMind 3D**

Consists of three modules: 3D Works, the animation studio where models, cameras and light may be moved in 3D space.

RenderWorks which renders images at 8- or 32-bits per pixel using advanced imaging techniques; and Imageworks performs anti-aliased digital compositing and outputs to PICS files or records the images by controlling a frame per frame video deck. Supports many import and export formats to allow it to work with all mainstream CAD and 3D software (Swivel 3D, AutoCAD, Pixar RenderMan, etc.).  
II/II(c,i)x series only \$2,495  
MacroMind Inc  
Firmware Design

*2103 presentation and animation*  
**MacroMind Accelerator 1.1**

Speeds up animations created with MacroMind Director - up to 30 frames per second, video recorder standard. While speeding up an existing animation, it can retain tempo changes in the music component. Runs any length of movie - the limit being disk space. With a video card, animations may be recorded to a standard VCR, and if the card supports genlocking such as the ColorSpaceII card, mixing of external video signals with the Mac-created images is possible.  
Mac Plus, SE, II \$325  
MacroMind Inc  
Firmware Design

*2103 presentation and animation*  
**MacroMind CD-ROM 2.0**

The MacroMind CD-ROM contains clip animation, clip sounds, clip charts and other clip art for use with MacroMind Director. Contains many finished animations which can be used as the basis to build other animations and presentations.  
\$325  
MacroMind Inc  
Firmware Design

*2103 presentation and animation*  
**MacroMind Director 2.0**

Computer animation and presentation package. Lets users create multimedia presentations, produce desktop video productions and simulate engineering or scientific projects. Utilises moving graphics to convey a message or animation with sound effects to visualize a prototype. Gives control for producing presentations with text, graphics, audio, video and animation. Genlocking and video output is possible with any Mac-compatible video peripheral.

Mac Plus, SE, II \$1,175  
MacroMind Inc  
Firmware Design

*2103 presentation and animation*  
**Microsoft PowerPoint 2.0**

Used to prepare free form presentations such as slide shows, flip charts, overhead slides, bullet charts and diagrams, speaker's notes or audience handouts. It gives presentations a polished look by using borders, drawings, graphs, logos, slide numbers and time and date of printing which appear as part of each slide. Easy to use, it lacks an outliner, but allows paste from MORE. Lacks a facility for aligning objects, and graphs and tables must be imported from other applications.

A slide sorter permits changing the order and cutting and pasting to another file. Text and graphics can be mixed freely anywhere on the page. A slide sorter feature allows presentations to be made in any desired order. LaserWriter compatible.  
\$625

Microsoft Corporation  
MicroAustralia Computer Products Pty Ltd

*2103 presentation and animation*  
**Shapes**

An add-on module for ColorStudio, Shapes adds outline drawing and anti-aliased rendering tools, the technology used to give film and video graphics the smooth quality we expect in broadcast video. Offers an enormous range of fonts which can be anti-aliased - at any resolution. Improves print as well as multimedia output, and it can output to non-PostScript devices such as pre-press systems from Crosfield, Scitex or Hell, paintbox systems such as Quantel, Aurora or Composium, film recorders such as Celco, transparency printers, Iris inkjet printers, and others. The same file can be rendered once for video resolution or screen presentation, once for hi-res film, and again for print.

POA

Letraset USA  
Letraset Australia

*2103 presentation and animation*  
**StandOut! 1.0**

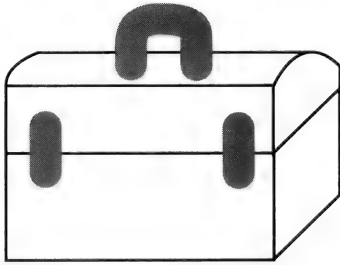
(Formerly Ready, Set, Show!) Offers text handling, layout and graphics; supports importing graphic formats, including TIFF and RIFF; excellent facilities for scaling and cropping graphics. There is no outliner, but style sheets may be used. Also includes glossaries and auto-kerning. It supports 13 transition effects and a 256 preset colour palette. A chart icon generates and places pie, line, column, bar, and scatter graphs.  
Plus, 2nd drive \$620  
Letraset USA  
Letraset Australia

*2103 presentation and animation*  
**StarTime 2.0**

Provides a quick and simple means of converting images created with Persuasion and PowerPoint into presentations for use with General Parametrics' VideoShow Executive and Professional. Permits specifying sequences of transitional effects, restructuring and editing of presentations.  
All Macs POA  
General Parametric  
Dimension Graphics

*2103 presentation and animation*  
**StrataFlight**

A utility which adds animation to 3D, 32-bit colour images and scenes in StrataVision 3D. Features include: 'tweening, walk-throughs and fly-bys of models, export to other animation software packages, supports viewing PICT and PICS files, and easy switching between it and StrataVision.  
68030-based Macs only \$310  
Strata Inc  
Keyway Computers



## 2130 utilities

Utilities not otherwise specified. We class as a utility usually the small, special-purpose applications which help you administer the system, or get work done. Some come as INITs, cdevs or DAs, which become quite tightly integrated into your Mac system.

### 2103 presentation and animation

#### StrataVision

1.4

A 3D modelling, scene composition and rendering program for creating photo-realistic scenes. Objects may be imported from other 3D formats and edited. 2D objects may be lathed and extruded. Provides unlimited light sources, of varying intensity, colour, type and direction. Light sources can also be used as image projectors. Includes ray-tracing, Phong, Gourand and flat-shaded rendering in 1- to 32-bit colour. Rendering options include transparency, refraction, shadows, transparent shadows, reflectivity, anti-aliasing, smooth shading, colour halftoning, image and texture mapping, etc. Supports colour printers, film recorders, and video. Saves in PICT and TIFF, and exports in DXF.  
68030-based Macs only \$775  
Strata Inc  
Keyway Computers

### 2130 utilities

#### After Dark

2.0

Screen saver prevents burn-in by automatically displaying animated "screen art". Provides over 30 displays including flying toasters, spotlight, fish meteors, lightning, worms. Custom designs supported including company logos, messages. Features random display mode, multiple displays, password protection, works across restarts. New modules include security and memory management.  
Mac 512K \$69  
Berkeley System Design Inc  
Trio Technology

### 2130 utilities

#### Convert

Converts metric measures to imperial and vice versa. Convert does it all, from cubic exameters to attopoints, with built-in calculator. Very easy to use.  
\$15  
JAM Technologies  
JAM Software

### 2130 utilities

#### Desk

1.0

An integrated collection of applications which function as DAs. It includes Desk

Calc (a spreadsheet with charting), DeskFile, DeskPaint and Draw, DeskSecretary (appointment reminders), DeskWrite, and DeskComms.  
Plus \$595  
Zedcor  
Trio Technology

### 2130 utilities

#### DirectMail

A "correspondence solution" DA for labels, envelopes, addresses, form letters and telephone dialling. Flexible features aid the design of multiple layouts for sheet- or continuous-labels; and its database functions speed the search for, and elimination of, duplicate records. Other features: search, sort and mark records; set-up and print any size label; and more.  
\$160

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

### 2130 utilities

#### DynoDex

1.1

An address book that lets you import data from text files. Comes with a HyperCard stack for preparing HyperCard address stacks or Focal Point 1 and II. Includes a six-ring binder and paper for printing the address book; or print double-sided address book pages that fit such standard personal organisers as Filofax, Day-timer and Day-Runner.  
\$240

Portfolio Systems Inc.  
Reliable Australian Distributors Pty Ltd

### 2130 utilities

#### Exposure Pro

Professional-level screen capture, printing and image-processing utility. Captures 8- and 24-bit colour or greyscale images on any Mac screen. Automatically dithers any colour image to halftones. Integrates sophisticated colour paint functions and font capabilities for creative image control and touchup. Saves images in multiple formats including PICT2. A cdev device.  
\$225

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

### 2130 utilities

#### HandOff

2.0

A cdev utility which allows users to open any file from the Finder even if the application is missing. Fixes some clashes with DAs, includes bundle bit protection which "helps" the Finder locate applications when the document's bundle bit has been erroneously set, and offers Desktop Manager support for handling large file systems. Substitution can be on a one-time basis.  
POA

n/a

Reliable Australian Distributors Pty Ltd

### 2130 utilities

#### InfoGuard International

1.3

File encryption and virus protection software for safeguarding documents, applications and folders with passwords. Others send you encrypted documents without knowing your password. Log function records unauthorized attempts to access encrypted files.  
\$175

Advanced Gravis Technologies  
Reliable Australian Distributors Pty Ltd

### 2130 utilities

#### JAM EZee DAs

Disk contains assorted DA utilities: Appointments 3.01S (single user), which allows 32K of text per day, find, view by week and month, auto save and undo. Convert 1.3.2: Converts metric measures to imperial and vice versa from cubic exameters to attopoints, with built-in calculator. Now calculates nautical miles. Technofile: graphically represents a bibliography as an expanding indexed file box, each reference having an index card. MacList 1.03: DA list manager for searching and sorting record in spreadsheet-like format, import/export for data transfer. Simon cDev: performs easy date, time and unit format customisation. SmartAlarms Solo: one-reminder version of SmartAlarms, with up to 1,600 reminders available at one time, advance warnings, periodic reminders, snooze button.  
All Macs \$80  
JAM Technologies  
JAM Software

### 2130 utilities

#### MacKern

For anyone involved in word processing and desktop publishing. Alter the spacing between specific letters to any degree, then use this custom font in all applications that support kerning without ever having to change it again - unless you want to. Makes copy sharper, cleaner, and can increase readability.  
\$340

ICOM Simulations Inc  
Solutions

### 2130 utilities

#### MockPackage Plus

4.4

Set of utilities plus instructions for modifying them using ResEdit. Set includes: MockWrite (text editor/wp),

MockPrinter (print any text file), MockTerminal (communications), MockChart (non-colour graphs), LaserStatus (monitor and download laser printers), Ask (cdev for turning cdevs and INITs off and on), FolderShare (default privilege setting for networks), Control-1 (set a cdev to open when calling up Control Panel), EZ-Menu (keyboard access to menus), and Widgets (collection of handy bits and pieces).

All Macs \$100  
CE Software Inc  
Keyway Computers

#### 2130 utilities

### My Disk Labeller 3.0

Utility for designing and printing removable labels. \$85

Williams & Macias, Inc  
Next To Mac

#### 2130 utilities

### Parrot 1

Captures any Mac screen images. All Macs POA  
n/a  
Electroboard

#### 2130 utilities

### Public Folder

Implements file sharing on an AppleTalk network. Users simply copy files to and from a specific folder on another user's disk. Free to any licensed user of Claris software and available on some bulletin boards. free

Claris Corporation  
Claris Australia

#### 2130 utilities

### ScreenGems

A collection of screen utilities for the Mac II range. Includes Colour Desk (allows a colour PICT file to replace the grey background); Dimmer (prevents screen burn-in); Switch-A-Roo (replaces the Control Panel "monitors" device); TN-3 (choose a "colour set" for the Finder); and Globe (a spinning sphere that looks like Earth).

Microseeds Publishing \$119  
Reliable Australian Distributors Pty Ltd

#### 2130 utilities

### ScreenShot

A cdev for capturing whole screens, windows, menus or user-selectable portions of the screen. Outputs directly to black and white and colour printers or saves image as Paint, PICT or StartupScreen. Attaches the creator program/date/time information on a ScreenShot image. \$96

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

#### 2130 utilities

### SharpenUp

A utility for desktop publishers, a cdev that installs transparently to add controls to the Page Setup dialogue box. Control

line thickness, halftone frequency, screen angle, tone brightness and contrast with one click. Lines may be scaled to as little as 1/32nd of their original size. Halftone frequency can make the coarsest grey tones appear smooth and fine.

\$110  
Somak Software  
Reliable Australian Distributors Pty Ltd

#### 2130 utilities

### Simon

A utility which fixes date formatting to the Australian format. Free

JAM Technologies

JAM Software

#### 2130 utilities

### SnapJot

Screen-capture and on-screen note-keeping utility which copies any screen image, including menus, dialogues and applications in action. Includes a multi-window DA that automatically displays images as they are captured, enabling a user to preview images. Saves images in PICT and MacPaint formats or copies directly into Clipboard. Images can be printed with full printer options, and colour and multiple monitors are supported.

All Macs \$69  
Wildflower Software  
Zytech

#### 2130 utilities

### Stepping Out II 2.0

Enlarges the viewing area on your monitor. Creates a virtual screen area many times larger that can be scrolled around quickly and easily. An affordable alternative to a larger screen.

Plus \$159  
Berkeley System Design Inc  
Trio Technology

#### 2130 utilities

### SuperGlue II 2.1

Prints images to disk, turning multi-page documents into QuickDraw "images". Transfers images into other applications, and also lets users share images via a network or modem to other users.

Macintosh Plus and above \$225  
Solutions International Inc  
Trio Technology

#### 2131 antiviral utilities

### Rival

Defeats viruses and protects hard disks by inspecting files as they are opened (or upon running a "Get Info" on them). The process is transparent and instantaneous. Rival discovers and repairs an infected file where possible before opening it. Even if a file is locked or on a write-protected disk, Rival will "stun" the virus even though it cannot repair the file. Plug-in updates to Rival are free through CompuServe and user groups. \$155

Microseeds Publishing  
Reliable Australian Distributors Pty Ltd

#### 2131 antiviral utilities

### Symantec Anti-virus for Macintosh (SAM) 2.0

Security product designed to prevent, detect and remove all known Macintosh viruses. Basic mode protects against all known viruses including Scores, nVIR, Hpat, Init 29, and Anti. Can be customised, incorporating technology that allows users to reprogram SAM to intercept and eliminate new viruses. With a new feature called Definitions, users will be able to call a Symantec support line and get the name of new viruses as well as related data that is then fed into a dialogue box in Definitions. Increased security options include preventing others from cancelling a floppy disk scan, instructing the program to always eject infected floppies, or blocking infected applications from launching. SAM Intercept can also be password locked to prevent it from being tampered with or disabled. \$159

Symantec Corp  
Techflow Pty Ltd

#### 2131 antiviral utilities

### Virex 2.7

Detects computer viruses and repairs applications and system programs including: SCORES; nVIR family; Peace; INIT29; Hpat; ANTI; MEV#; AIDS. Upgrades \$20.

Mac Plus, SE, II \$149  
HJC Software, Inc  
Spinning Heads

#### 2132 disk and file utilities

### A.M.E. - Access Managed Environment

A comprehensive security system that will prevent unauthorised access to the Mac of any kind. A.M.E. is difficult to break or get round, whether managing a confidential projects, maintaining security on a Mac used by many people, or simply preventing the accidental destruction of files. Easily customised. Offers a user log of activities, control over disk usage and even serial port and printer control, floppy disk insertion security, access privileges to desk accessories, Volume Lock, and provides true file erase. Single user costs \$480; a 5-site pack is \$1,465; and the 10-user version costs \$2,430.

Mac Plus, SE, II \$480+  
Casady & Greene Inc  
Solutions

#### 2132 disk and file utilities

### Advanced Security

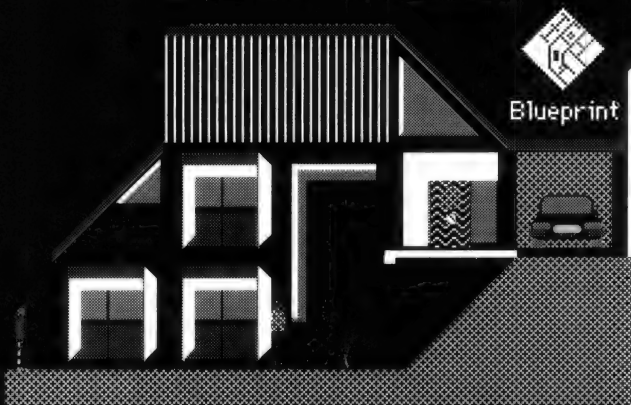
Not a simple encryption utility but a comprehensive application that adapts itself to the user's specific needs through selective options and specific work settings. Also available in multi-user versions ranging from 5 to 100+ users. Includes HD Security and Virus Security. Suitable for all Macs from 512K up. Enhanced to the Mac IIx.

\$94 single user  
Advanced Gravis Technologies  
Reliable Australian Distributors Pty Ltd



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## BLUEPRINT

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areas for map projections which may  
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and lines to illustrate a network setup  
between offices. I would import the  
data files of the states I need then edit  
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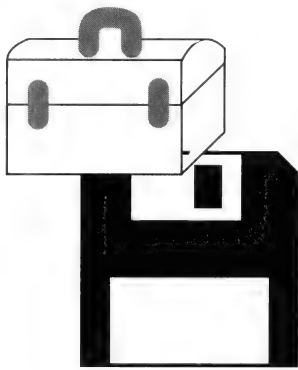
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Address

Phone

**Graphsoft**

**PRODUCT  
DEALERS**



## 2132 disk and file utilities

These are programs which perform a wide variety of "housekeeping" chores — such as file conversion, file recovery, file location, disk backup, encryption and hard disk defragmentation. Some also help translate between file formats, including MS-DOS and Apple II type files.

### 2132 disk and file utilities

#### AutoSave II

1.1

A cdev utility which permits the user to automatically save any document in a specified application. Particularly useful for users who move between applications.

All Macs \$80  
Magic Software  
Keyway Computers

### 2132 disk and file utilities

#### Backer

1.0

A DA that works in the background, allowing users to backup while working. It operates automatically, will work on almost any medium (including over a network), and will back up a file server while it is running, eliminating down time. Saves files in Macintosh format so you can use Finder to retrieve the files, rather than worrying about special formats and converting files back.

\$195

Moose Software  
Solutions

### 2132 disk and file utilities

#### Backmatic

1.1

A combined cdev/INIT designed as a substitute for daily incremental backups. Searches a hard drive at shutdown for files changed since the last time it ran, and then saves them to floppies. Can also be set to save files to a folder on a hard disk or file server. Allows exclusion of files based on file type, creator, folder, or disk on which they reside.

POA

All Macs  
Magic Software  
Keyway Computers

### 2132 disk and file utilities

#### CanOpener

1.1

A DA which opens any file, whether the application is present or not, for extracting text, graphics (Paint, PICT I and II, EPS), or sounds. Full search and editing facilities available.

\$169

All Macs  
Abbott Systems Incorporated  
Spinning Heads

### 2132 disk and file utilities

#### DiskDoublor

1.2.5

A fast, "smart" file compression program designed to optimise disk space. It leaves the correct disk icon attached to a compressed file, so when you uncompress a file it also opens the correct application to read it.

\$125

Salient  
Next To Mac

### 2132 disk and file utilities

#### DiskExpress II

2.04

A hard disk optimiser which automatically starts to defragment and optimise drives whenever the computer is idle or at user request. Fully transparent, it constantly logs all file activity to determine optimum priority for file placement, grouping frequently used files together. By optimising one file at a time, it can be interrupted without scrambling information an requires virtually no free space to work.

\$125

Mac Plus, SE  
ALSoft Inc  
Zytech

### 2132 disk and file utilities

#### DiskFit

A quick and efficient hard disk backup utility. It creates disks with standard HFS files, allowing you to restore files from the disks using Finder. It has incremental backup capabilities for day-to-day backup, and it fully verifies what it writes - something even Finder does not do. A network version works with AppleShare and can backup an entire file server. It has the important added feature in that it also remembers all access privileges and ownership attributes, and can restore them, saving hours of manual work.

It scans your hard disk for files that need to be backed up. Then it deletes obsolete files from the backup disks and fits your new files - in standard Macintosh format - into the reclaimed space. Automatically verifies the integrity of the backup, and generates a backup report. Network DiskFit also available for \$549. Network DiskFit allows AppleShare and TOPS network administrators to automatically backup and restore fileserver volumes

with folder level hierarchies and access privileges intact while performing incremental backups.

Mac 512 K \$139  
SuperMac Technology  
MicroAustralia Computer Products Pty Ltd

### 2132 disk and file utilities

#### Fastback II for Mac

2.1

A hard disk backup utility. Backs up data to floppy disks, tape or any Finder-compatible device; also MultiFinder friendly, can work in background mode. Features error correction and selectable data compression, built-in macro recorder and editor. Scheduling macros let you automate backups at any chosen time. It concurrently reads from hard disk and writes to floppy, using proprietary floppy-disk format to write the data.

\$256

Fifth Generation Systems Inc.  
MicroAustralia Computer Products Pty Ltd

### 2132 disk and file utilities

#### FileGuard

2.0

Provides automatic protection by offering encryption with each Save, encryption on shutdown and opening the program on keying of correct password. Denies access to an encrypted file, even if the user starts up from another disk. Encryption survives crashes, and the process is easily reversed, with a history of file usage provided on request. Transparent and available at all times through menu and control panel. Version 2.0 provides DiskLock, protecting the volume itself. 5 office pack \$879; 10 office pack \$1465

\$354

Highware  
Techflow Pty Ltd

### 2132 disk and file utilities

#### MacSafe II

Provides password security for Mac files and networks by creating "safes" on the Desktop, plus optional encryption. Offers password protection for 20 files totalling 3.5Mb in 3 seconds; encrypt 100K in 2 seconds. Other features include: cdev control and Administrator override of safe passwords.

Mac 512K \$US190  
KentMarsh Limited  
none/TBA

### 2132 disk and file utilities

#### Norton Utilities for the Macintosh 1.0

Features data recovery, repair and disk optimization utilities. Disk Doctor provides 45 types of error checks for restoring data and repairing damaged Macintosh disks. File Saver can restore an accidentally reformatted 40Mb hard disk in seconds. UnErase retrieves all erased files; search "By File Type" for over 40 kinds of applications files or "By Text Search" for text strings, as well as recover partially over-written files. Speed Disk consolidates and prioritises all files, removing unused fragments to reduce data access time and speed performance. Also provides DAs and cdevs, such as Fast Find (a file locator), Directory Assistance (adding power to "Save" and "Open

Dialogue Boxes”), and KeyFinder (easily finds the keystrokes needed for Option characters). No technical expertise is required.

\$210

Symantec Corp  
PC Extras Pty Ltd

#### 2132 disk and file utilities

### PC Tools Deluxe 1.0

A collection of disk utilities and data recovery tools. Includes: Optimizer, which cures fragmentation and thus enhances access time on hard drives by gathering and consolidating unused space; Mirror, which protects against disk crashes, accidental re-initialization or deletions, and viruses; PC Secure, a password protection and file encryption tool; MacTools, a collection of disk and file utilities; Locate, a DA based on Find File, which locates files by name, key words or phrases; FastCopy allows rapid copies to either 400K or 800K floppies; and PC Backup which supports background operation under MultiFinder.

\$110

Central Point Software Incorporated  
PC Extras Pty Ltd

#### 2132 disk and file utilities

### Redux 1.5

A backup and restore utility that features file filtering capabilities, a choice of Redux or Finder format backups and support for large screens, colour and MultiFinder. Backs up to any HFS volume, including floppy disks, hard disks, removable media, and mega-floppies. Can cope with a damaged or lost backup disk.

\$149

Microseeds Publishing  
Firmware Design

#### 2132 disk and file utilities

### ResEdit 1.2

Allows you to manipulate the various resources in a Mac application. Documentation included. A dangerous tool in unskilled hands.

\$20

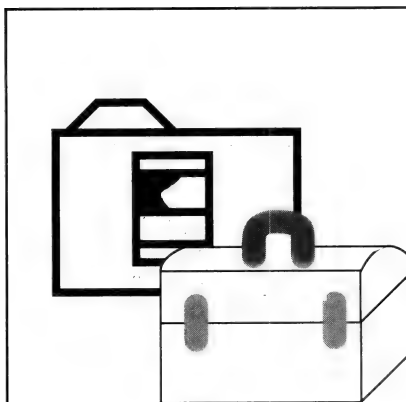
Apple Computer Inc  
AAPDA

#### 2132 disk and file utilities

### Retrospect 1.11i

Finds and selects files by name, date parameters, file kind, icon colour, file size, backup history and more. Backup archives can be password protected, compressed, encrypted, verified, etc. Will backup from anything to anything, but with a hard disk or a tape drive – and assuming adequate space – your backup plan can be totally automated months ahead, with all activity taking place at any designated time, even unattended. Retrieving lost, trashed or damaged files or making total disk recoveries is more or less a reversal of the backup procedure, and can be scripted or even automated. Not a “Macinised” IBM program like FastBack and MacStream.

Mac Plus, SE  
Dantz Software Development  
Keyway Computers \$395



## 2133 system utilities

This includes software designed to enhance the basic System beyond the functionality initially provided by Apple. These include “suitcase” type programs used to store “as needed” extra fonts and utilities, screen savers, keyboard enhancement and other macro-creation software, software designed to enhance the basic interface, and miscellaneous cdevs and INITs. By definition these all install in the System folder.

#### 2132 disk and file utilities

### Silverlining

Powerful hard disk management software used to maximise the performance of SCSI drives. Furnishes volume-sizing functions and advanced partitioning features that allow as many as 40 partitions which can be dynamically adjusted without data loss. Provides a choice of six selectable Read/Write loops, password protection, optimising, etc.

\$132

LaCie Ltd

Reliable Australian Distributors Pty Ltd

#### 2132 disk and file utilities

### StuffIt Deluxe

Leading file compression utility, now contains over 75 new features, including the Magic Menu extension of the Macintosh Finder provides for point and click stuffing/unstuffing or electronic mail transmission from the Finder, etc. (The earlier shareware utility has been renamed StuffIt Classic 1.6.)

POA

Aladdin Systems Inc  
Next To Mac

#### 2132 disk and file utilities

### SUM II 2.0

An updated version of Symantec Utilities for the Mac now featuring: SUM Backup, which backs up (incrementally or totally) selected files or entire hard disks to floppies, other hard disks or tape; SUM QuickFix, to recover data lost on floppies and crashed hard disks; The Guardian updates at any time with a keystroke; HD TuneUp de-fragments and verifies to optimise hard disk performance; Symantec Tools to view and/or edit data and resource forks of any file volume in hex or ASCII; Quickcopy, for disk initialization and duplication; HD Partition, to separate the hard disk into volumes; and Disk Clinic, to interface these utilities.

\$219

Symantec Corp  
Techflow Pty Ltd

#### 2133 system utilities

### Capture

A screen-capture INIT that will save any part of the screen display to the Clipboard

3.0

or as a PICT file. It will capture the display of any sized screen in black and white, greyscale or colour. You can change the keystroke that invokes the capture mode.

All Macs

\$155

Mainstay

PICA Pty Ltd

#### 2133 system utilities

### ChineseTalk

6.0.3

A Chinese language operating system for the Mac. Other foreign language systems are also available, including Arabic, Danish, Dutch, Finnish, Flemish, French, German, Greek, Hanzi (Mandarin), Hebrew, Icelandic, Italian, Kanji (Japanese), Norwegian, Spanish, Turkish, and Yugoslavian. Check the AAPDA catalogue for details.

\$40

Apple Computer Inc  
AAPDA

#### 2133 system utilities

### ClickPaste

1.0

A Scrapbook replacement that provides a hierarchical scrapbook available at a click of the mouse. It supports any object that can be pasted into the Clipboard.

All Macs

\$195

Mainstay

PICA Pty Ltd

#### 2133 system utilities

### Comment

2.01

Replaces the Scrapbook and Notebook DAs. Features include Time Notes, Posted Notes and Note Manager. Time Notes keeps track of 520 appointments and reminders. Posted Notes can be attached to text in other documents or spreadsheet cells. The Note Manager allows users to review and edit, import and export notes.

All Macs

\$195

Deneba Software  
PICA Pty Ltd

#### 2133 system utilities

### DiskTop

4.0

A DA alternative to using Finder. It performs all the standard desktop file functions of Finder, such as copying or deleting files, reporting vital disk statistics, and displaying up to eight different disk icons. It can perform operations on several files at once, and “quick-launch” to



another application without returning to the Finder. Contains a Find button to search for a file on any or all of the displayed disks. Includes GOfer 2.0 for searching multiple files using key words.

CE Software Inc  
Keyway Computers

### 2133 system utilities

#### Font DA Juggler Plus

A DA organiser allowing simultaneous access to hundreds of DAs, fonts, Function keys and sounds without having to install them into the System. Automatically resolves font numbering conflicts and allows fonts to be printed or viewed in hundreds of size and style combinations. Opens up to 12 files on multiple volumes, including file and disk servers. Includes a companion utility which groups related fonts into families, only listing the main families on the menu.

ALSoft Inc  
Next To Mac

### 2133 system utilities

#### Icon-It

Allows the creation of personalised icons for frequently used commands, menu items, DAs, fonts, Function keys and macros. Icons are displayed on an "icon bar" anywhere on the screen and within applications. Icon Bars are included for the most popular programs, or can be constructed using the built-in editor. A scrapbook of over 125 icons is included.

Tactic Software  
Reliable Australian Distributors Pty Ltd

### 2133 system utilities

#### INIThound

An INIT utility for tracking, managing and debugging INIT software. It monitors the INIT installation process and provides information vital to systems and network administrators, customer service representatives, and software developers. It provides a single, simple mechanism for inhibiting INIT activity. Reports are generated via the Control Panel.

Cambridge Information Ware  
Reliable Australian Distributors Pty Ltd

### 2133 system utilities

#### INITPicker

Detects conflicts between INITs in the System folder. Intercepts system crashes that occur at startup when two INITs are in conflict; the computer is automatically restarted with the offending INIT not loaded and the user is notified about which INITs were rejected. Also allows the user to save sets of INITs, and offers a log of INITs loading, specifying the RAM used by each. Shows all the INITs in your system, to allow easy identification of any new or unfamiliar INIT, and allows them to be turned on and off at will. Can be accessed via the Control Panel and may be used at any time, changes take effect upon startup or restarting.

Microseeds Publishing  
Reliable Australian Distributors Pty Ltd

### 2133 system utilities

#### MasterJuggler

A multi-featured form of Font/DA Juggler Plus.

ALSoft Inc  
Next To Mac

### 2133 system utilities

#### Multi Disk

Hard disk partitioning software.

ALSoft Inc  
Next To Mac

### 2133 system utilities

#### MultiClip

A DA which replaces the Scrapbook. View and edit any part of your images. Create multiple Scrapbook files. Import text and PICT images from disk. Allows users to view all of images in "thumbnail" form; transparent backup of copied or cut data; 32-bit QuickDraw compatibility.

Mac Plus, SE, II.

Olduvai Corporation  
Trio Technology

### 2133 system utilities

#### NanoDisk

Memory enhancement software that allows the Mac to access all available RAM, thereby expanding the Mac's accessible memory to 32Mb. For use in conjunction with 4Mb SIMMs.

Technology Works  
Reliable Australian Distributors Pty Ltd

### 2133 system utilities

#### On Cue

A 22K INIT that enables users to move directly from one program to another, bypassing the desktop. Creates a custom menu of selected applications and files to eliminate "window buildup" and waiting for files to open and close. Enhances MultiFinder by putting a menu of running applications at the top of its menu (rather than at the bottom where the list appears under the Apple menu). Allows keyboard switching and background application launches. Comprehensive manual. Not copy-protected.

ICOM Simulations Inc  
Solutions

### 2133 system utilities

#### Personality

A collection of interface enhancements presented as cdevs for use in personalising Macs. Features include: users assign varied colours for menus, windows, scroll bars, boarders and buttons; users assign sounds to various Mac functions; users set any installed font and size to menu bars; and it allows the user to style the interface as either standard or 3D.

Preferred Publishers, Inc  
Reliable Australian Distributors Pty Ltd

### 2133 system utilities

#### Power Station

A Finder replacement that lets users group applications and documents without using

folders. The main window consists of a menu bar and many buttons. Users can create up to 16 of these screens and each button can launch an application, open one or more documents, or open a desk accessory. Features full keyboard support and lets you automatically print single or multiple documents.

Fifth Generation Systems Inc  
MicroAustralia Computer Products Pty Ltd

### 2133 system utilities

#### POWERicons

Allows the user to "clone" the icons of applications and place the cloned icon in a more accessible place on your desktop. Once in place, clone icons open applications, instead of the user having to hunt through folders within folders. Documents can be attached to the application to open when it does.

Magic Software  
Keyway Computers

### 2133 system utilities

#### POWERmenus

A cdev which, once in your System folder, permits access to all of the items in your menu bar, anywhere on the screen. Includes a set of utilities called POWERgadgets including Alarms; Applications (lists the currently opened and selectable for MultiFinder only); Controls (to access any installed cdev); DA's (to access any installed DA); Dialer (access modem and dials from a list); Notes (online notepad); Time; and Windows (list currently opened windows and allows selection).

Magic Software  
Keyway Computers

### 2133 system utilities

#### Pyro!

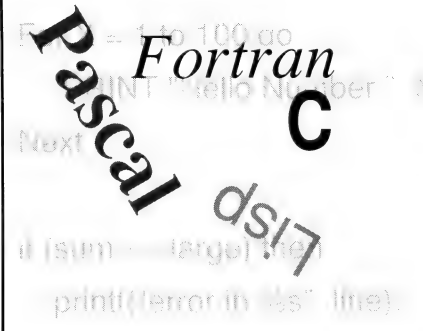
A screen saver which, in addition to the original fireworks display, now offers aquarium, blocks, dimwit, restless picture, slinky, marquee, stars and kaleidoscope. An optional password protection assures privacy of the underlying screen contents and prevents access to the Mac's disks and network connections, even across restarts. The user can also choose whether background tasks such as print spoolers and reminder alarms are to be active/postponed during a screensave. Fully configurable from the Control Panel.

Fifth Generation Systems Inc.  
MicroAustralia Computer Products Pty Ltd

### 2133 system utilities

#### QuicKeys

Assigns commands or actions to keystrokes. The defined key command can launch documents and programs, select menu items, run Function keys, insert the current date and/or time, execute more than a dozen mouse movements, insert text strings, perform click and drag sequences, or combinations of all these actions. DialogKeys, a companion program, enables you to use key commands to "click in" buttons and check



## 2140 languages

The means by which the computer speaks to itself, and the source of the programming tools used for creating other programs, utilities and applications. Although Pascal held sway with many Mac programmers early on, there has been a noticeable switch to C in recent times. Included here are programming utilities such as debuggers, compilers, assemblers and other tools that constitute the mystery of the programmer's art. We use no special class for MIS or systems administration. If you need that, look here.

boxes or radio buttons in dialogue boxes. QuickAccess is a utility program designed for QuickKeys to create, modify and combine sets of defined key strokes.

CE Software Inc \$160  
Keyway Computers

### 2133 system utilities **Shortcut** 1.5

An INIT that adds menus to the standard File dialogue box, allowing users to switch to another disk or folder, create a folder, find a file, unstuff a StuffIt archive or Get Info on a file or folder. Adds transparent access to StuffIt Deluxe archives (compressed and decompressed), a "Viewing" feature to permit reading, copying and printing Text and PICT files, and the ability to access the most recent folder and files that have been opened.

Aladdin Systems Inc POA  
Next To Mac

### 2133 system utilities **SmartScrap and the Clipper** 2.0

Replaces Apple's Scrapbook. Puts an end to blind searches for images saved "sometime, somewhere" by incorporating a pictorial catalogue of the scrapbook contents. View the whole image and search for images by name. Also lets you create multiple Scrapbook files. The Clipper allows you to scrap and scale images during a copy and paste.

Macintosh 512K and above \$169  
Solutions International Inc  
Trio Technology

### 2133 system utilities **Suitcase II** 3.3

A System space saver which removes the limit on the number of fonts, DAs, Fkeys and alert sounds available at one time because they are not installed in the System but activated as needed. Open as many as 99 Suitcase files (of 52 DAs or 500 fonts), accessible from any application. Permits the renaming of DAs and FKeys and allows renumbering of FKeys. WYSIWYG display of fonts in menus. Includes two utilities: Font Harmony (which resolves font number conflicts); and Font and Sound Valet

(which compresses fonts and alert sounds to save space). Share fonts and DAs across an AppleTalk network.

Mac 512Ke \$117  
Fifth Generation Systems Inc  
MicroAustralia Computer Products Pty Ltd

### 2140 languages **AAIS Prolog** 2.0

A DEC-10 compatible Prolog offering toolbox access, integral editor and high performance even on a Plus. An improved, but more expensive, high speed Prolog interpreter than the 1.15 (also available, at \$399).

Mac Plus, SE \$799  
Advanced AI Systems  
Oxford Systematics

### 2140 languages **Absoft RAT F77** 1.1

A very full Fortran 77 with Vax extensions and broad user base. The RAT stands for "RISC Architecture Technology" - this family of compilers was developed originally under contract to Motorola for the 88000 family, before silicon existed. Absoft supplies a number of the "Motorola"-branded Fortrans and is a working standard in this and other environments.

RAT F77 for MPW3: 864 kWhets, \$895.  
The A/UX version is \$999.  
The same RAT compiler, emitting 88000-family code, delivers 20,000k Whets on Tek 88010 board: \$4,999.  
II/II(c,i)x series only \$895+  
Absoft Corp  
Oxford Systematics

### 2140 languages **AC Fortran F77/020** 2.4

Full 68020/68881 support, 512k Whets on Mac II; visibly faster than MS F77v2.2 on 68000s. Runs on any Mac, and generates code for either 68000 or 68020. 68881/2 code may also be generated on any Mac with Runtime linking of subroutines. Numerous add on products: Hyper X call (\$199) to allow HyperCard XCMDs to be written in this F77, Facelt (\$199) to allow easy Mac interface building, etc.

All Macs \$895  
Absoft Corp  
Oxford Systematics

### 2140 languages **Action Full Developer Kit** 2.0

Advanced object-oriented graphical application builder: includes Procyon CL Common Lisp, ToolBox and free Runtimes. (For owners of Procyon CL Lisp release 2.14c and above, ACTION! itself is available at \$1,595 on its own; the Toolbox interface at \$995.)  
II/II(c,i)x series only \$5,995  
ExperTelligence  
Oxford Systematics

### 2140 languages **APL**

Extensive multitasking APL interpreter with major enhancements over IBM mainframe APL/SV. 68000 version: \$750; 68020+ version: \$999.

Mac Plus, SE \$750  
Microapl  
Oxford Systematics

### 2140 languages **APL Plus/Mac**

Symbolic programming language. The system uses MacGraphics to create symbols on screen, thereby allowing programmers to incorporate dialogue boxes, menus, and the ability to cut and paste into their applications. APL Plus includes full screen editing, APL communications and the APL character and graphics set.

\$558  
STSC, Inc.  
MicroAustralia Computer Products Pty Ltd

### 2140 languages **Apple A/UX** 2.4

A full System V Unix implementation that allows porting of existing Unix programs to the Macintosh II family. Delivered loaded on an 80Mb hard disk from Apple. A minimum of 2Mb of memory (4Mb recommended), 80 Mb of disk space, and a PMMU (memory management chip). The price of \$4,645 includes the 80 Mb hard disk external hard disk, it is \$1500 on a CD-ROM.

Mac II \$4,645  
Apple Computer Inc  
Apple Computer Australia Pty Ltd

### 2140 languages **AppMaker** 1.0

A simplified programming tool. Create the user interface by pointing, clicking and dragging. Generates complete, ready to run source code. Supports MPW Pascal and C and Think Pascal and C.

AppMaker A/UX provides Unix developers with a quick and easy way to create a Mac user interface for their applications. Using standard Unix tools, developers can merge the generated C source code with their existing source code, then compile and link.  
Mac Plus \$419  
Symantec Corp  
Techflow Pty Ltd

### 2140 languages **Aztec C family** 3.6

Fast and compact C compiler and support tool family. Consistent over many types of computers and operating systems: 68000, 68020, 68881 C compiler: \$299. sdb

source level debugger: \$250; C+sdb bundle \$399. Unix-style UniTools: \$299. MPW C version: \$399. Source code in C and Assembler for the Aztec libraries for Runtimes: \$499. Aztec C Mac to MS-DOS: A full cross compiler system to use the Mac for Intel development: \$999. Aztec C Mac to 680x0 ROM: A full 68000 and 68020/68881 system to use the Mac for ROMable code development: \$999. Mac Plus, SE \$299+ Manx Software Systems Oxford Systematics

#### 2140 languages

### BigImage 1.05 1.05

Professional-level Mac II image-processing system, powerful yet easy to use. Includes morphological transforms. Works with PICT files, and includes animation and dynamic palette variation facilities. Can be extended by the user, and full file formats, MPW libraries and more are included. Measurement and other tools included. Compatible with the 2AI Sun Unix MULTIMAGE system. II/II(c,i)x series only \$1,999 Advanced Analysis and Image Oxford Systematics

#### 2140 languages

### C Doc

A utility that automatically documents suites of C programs, preparing comprehensive standardised reports based on the actual source code. POA Whitesmiths Australia Pty Ltd Whitesmiths Australia Pty Ltd

#### 2140 languages

### C Scan

A utility that allows C programmers to examine the source code of the program on a logical basis, using symbolic names to locate and display the appropriate portions of code. POA Whitesmiths Australia Pty Ltd Whitesmiths Australia Pty Ltd

#### 2140 languages

### Cause 1.2

A simple programming tool which uses a set of visual programming tools and provides immediate visual feedback of the programming steps as you create them. Business users can put together their own software without having to use a programming language. \$US99

Maxem Corporation  
Heizer Software

#### 2140 languages

### CompileIt! 1.5

A HyperTalk script compiler for HyperCard which converts scripts written in HyperTalk into HyperCard XCMDs and XFCNs. It also enables stack developers to access the Mac ROM ToolBox directly from their scripts. It speeds up HyperTalk and increases security for your code. \$99

Heizer Software  
Heizer Software

#### 2140 languages

### Flex Frame Toolkits 2

Flex on its own is an add-on to MacProlog providing portable multiple inheritance frame systems, rules demons, etc., implemented on MS-DOS, Vax VMS, Unix and IBM mainframes. The Mac version is \$999. Developers Flex toolkit frames, rules and demons system for optimising compiler usage and Runtime generation: \$1,999. Programmers Flex bundle (MacProlog incremental compiler plus the Flex toolkit system): \$1,999. Developers Flex bundle (incremental and optimising LPA Prolog Compilers): compilers, Flex toolkit system plus royalty-free Prolog Runtime generator. Flex Runtime Package (Runtimes for Flex toolkit system): \$500 for 5. Mac Plus, SE \$999+ Logic Programming Associates Ltd Oxford Systematics

#### 2140 languages

### Franz A/UX Common Lisp 1

Complete extended Common Lisp for the Mac II under A/UX. II/II(c,i)x series only \$3,500+ Franz, Inc Oxford Systematics

#### 2140 languages

### Franz Flavours 6.1

The complete Flavours system ready to use with Apple's Allegro Common Lisp under the Mac Finder. Mac Plus, SE \$595 Franz, Inc Oxford Systematics

#### 2140 languages

### Intelligent Developer 1.5

Object-oriented HyperCard linked expert system builder with standalone stack support. No-charge Runtime facility through HyperCard stack building and extensions. Mac Plus, SE \$1,350 Hyperpress Publishing Corporation Oxford Systematics

#### 2140 languages

### Language Systems FORTRAN 2.1

Designed to provide scientists and engineers with a powerful Mac II development tool. The compiler features full ANSI Fortran 77 plus VAX extension and generates 68000, 68020, 68030, 68881, 68882 code. Fully integrates with Apple's MPW (available as an option with this compiler). Mac Plus, SE, II \$595 Language Systems Corporation Firmware Design

#### 2140 languages

### MacAPP 2.0

An object-oriented application generator which is one of a suite of computer-aided software engineering (CASE) tools released by Apple. The series will eventually cover four broad categories: end-user tools, object-oriented design tools, tools to design cooperative-processing applications and traditional CASE tools, such as COBOL generators. POA

Apple Computer Inc  
AAPDA

#### 2140 languages

### MacIDRIS

A POSIX-compliant Unix operating system for the Macintosh, which requires only 1Mb RAM and 5Mb of space on the hard disk. The new version offers networking over AppleShare or TOPS, on LocalTalk or Ethernet cabling, supporting 32 nodes. The minimum requirement is a Mac with floppy drives. Opens with a double click. Tasks performed under MacIDRIS can be exported back to the Mac desktop where they may be picked up and processed with any Mac software. It will run under MultiFinder enabling moving between it and other Mac applications without rebooting. Background MacIDRIS tasks can run under other Mac applications. It includes an extensive set of Unix-style utilities and program development tools. It complies with IEEE POSIX, ANSI and ISO standards. On a Portable Mac, an operator in the field has full Unix communications power to stay in touch with a Unix host. With a serial printer connected, the MacIDRIS user gains the print queuing and spooling advantages of Unix. Available in a Student edition. Mac Plus, SE \$399+ Whitesmiths Australia Pty Ltd Whitesmiths Australia Pty Ltd

#### 2140 languages

### MacProlog 3

Object-oriented Prolog family. MacProlog Incremental Prolog compiler: full graphics support for Mac Plus, SE, Mac II and colour. Programmer version: \$1,295. MacProlog Developer version includes incremental and optimising compilers, plus a royalty-free Runtime generator for \$2,495. Prolog++ is a full object-oriented extension (\$999). MacObject is a graphical front end to object-oriented Prolog programming on the Mac (\$999). Prolog++ Toolkit/MacObject bundles: The Programmer version includes the full dynamic OOPS system and graphical object-oriented and graphical building tools for MacProlog (\$1,995); the Developer version adds a royalty-free Runtime generator (\$3,995). Mac Plus, SE \$1,295+ Logic Programming Associates Ltd Oxford Systematics

#### 2140 languages

### MacScheme 2.0

A complete implementation of the 1987 Scheme standard: both byte-coded (to save space) and Native code (for speed) compilers are included. A multitasking development environment with its own editor. Declarative graphics and Mac interfaces make application development easier. The SCOOPS object-oriented programming system (written in Scheme) is also supplied, fully compatible with the Texas Instruments MS-DOS version (\$275). MacScheme+Toolsmith: more than just MacScheme – extensive toolbox support, plus Runtime and application development support is also included (\$800). Mac Plus, SE \$275+ Lightship Oxford Systematics



#### 2140 languages

##### **MacSmarts 3+**

MacSmarts are expert systems tools for the Mac with HyperCard and graphics interfaces. HyperCard links include rule induction and automatic menu building. Integrates with spreadsheets, PICT images and text files (\$400).

Professional version includes its own database system and other extensions (\$995). NeuroSmarts adds a neural network expert system building facility, even faster to train than Nestors proprietary Coulomb energy nodes (\$1,999).

Mac Plus, SE \$400+  
Cognition Technology  
Oxford Systematics

#### 2140 languages

##### **MacTutor Vols 1-5 Source Code on CD-ROM**

This CD-ROM contains all source code published in MacTutor magazine between 1984 and 1989. The disk also contains a text retrieval engine which allows quick and convenient searching for any keyword. A very useful resource for any programmer on the lookout for sample code.

\$420

MacTutor  
Firmware Design

#### 2140 languages

##### **Mahogany 1+**

Forward and backward chaining, object-oriented expert system. Can be ported to the PC, Amiga or Unix (the interface is limited to provide this compatibility, but the advantages often make this worthwhile).

Mac Plus, SE \$999+  
Emerald Intelligence  
Oxford Systematics

#### 2140 languages

##### **Meridian Ada 2+**

Full Ada development package, Prof Developers Toolkit under MPW or Finder: \$3395. Booch components: all the code in Booch book: \$499.

Mac Plus, SE \$3,395  
Meridian Software Systems, Inc  
Oxford Systematics

#### 2140 languages

##### **Metcomm Modula-2 1.0**

A fully integrated Modula-2 programming system, including a multi-window text editor that displays compiler errors, a fast one-pass native code compiler, and an interactive source level debugger. It supports 68000, 68020, and 68030 processors.

Mac Plus \$125  
Metropolis Computer Networks  
Techflow Pty Ltd

#### 2140 languages

##### **Microsoft QuickBasic for Mac 1.0**

This package compiles BASIC interpreter programs to develop fast, stand alone applications that can be distributed without source code. The programs enhanced features include maths coprocessor support, increased speed and an improved integrated editor.

\$185

Microsoft Corporation  
MicroAustralia Computer Products Pty Ltd

#### 2140 languages

##### **MPW 3.01**

(Macintosh Programmer's Workshop.) Apple Computer's software development environment based on a multi-window text editor and the MPW shell. The shell is a command language similar to the Unix shell. MPW provides over 100 tools and scripts. SADE, Apple's symbolic debugger is included in the package.

Version 3.1 of MPW C++ is also available. The addition of support for precompiled headers can reduce compile times by up to 50 percent over the previous C++ release.

\$250

Apple Computer Inc  
AAPDA

#### 2140 languages

##### **MPW Assembler 3.0**

Supports the latest hardware and system software from Apple, including 68020, 68030 and 68882 code generation. Object modules from the assembler can be linked with MPW C and Pascal.

MPW v3.0 \$150

Apple Computer Inc  
AAPDA

#### 2140 languages

##### **MPW Bundles 3.0**

Provide a cost efficient way for developers to buy one or more languages together with the MPW shell at a reduced price.

System 6.0+ Various

Apple Computer Inc  
AAPDA

#### 2140 languages

##### **MPW C 3.0**

MPW C v3.0 is a C compiler for MPW to develop applications, DAs, drivers and MPW tools. It contains ANSI enhancements such as function prototypes and strong type checking. MPW C code can be linked to Pascal and Assembler modules.

MPW v3.0 \$225

Apple Computer Inc  
AAPDA

#### 2140 languages

##### **MPW Pascal 3.0**

Apple's Pascal compiler for MPW. It expands on ANSI Pascal by adding object-oriented programming. Version 3.0 adds several new features: forward references outside the current module, symbol table's now being stored with units and support for more than 32K of global data.

2 Mb RAM and MPW v3.0 \$225

Apple Computer Inc  
AAPDA

#### 2140 languages

##### **Nutools: Numerical Methods 1.2**

Over 200 numerical algorithms in C for the Mac. Areas supported include real and complex numbers, vectors, matrices, root solving, curve fitting, differentiation, 2D and 3D graphics. Over 100 input and output routines supporting all numerical types in the package. Includes documentation and full source code.

Think C or MPW C \$419

Nicus  
Techflow Pty Ltd

#### 2140 languages

##### **Object Logo 2.5**

Includes totally rewritten manuals and a complete set of Mac object classes. Apple Logo compatible. Very advanced Mac logo, with an incremental dynamic linking compiler and a full object system, a file compiler and a standalone application generator, MIDI MacIntalk and 32-bit colour QuickDraw support. Accessible system for learning object-oriented programming, with the simplicity at the basic levels of Logo. Special school and tertiary extension licences also available.

Mac Plus, SE \$299  
Paradigm Software, Inc  
Oxford Systematics

#### 2140 languages

##### **Procyon Common Lisp 2.14c**

A serious, well-implemented Common Lisp, a widely-preferred host to application development for portability to other types of machines. Extensive high order Mac interface support through CLOS (the first microsystem implementation). Procyon CL Personal: a full-scale Common Lisp with Common Objects: \$1,250 (with Personal toolbox interface, \$299); Procyon CL Programmer: Common Lisp, CLOS plus Common Objects: \$2,450 (with Programmer toolbox interface, \$995); Procyon CL Developer: Common Lisp plus CLOS and Common Objects: \$3,995 (with Developer toolbox interface, \$795).

II/II(c.i)x series only \$1,250+

Procyon Research Limited  
Oxford Systematics

#### 2140 languages

##### **Programmer's Extender Vols. 1 and 2 3.0**

The two Programmer's Extender packages are programming libraries that include a mixture of routines. Volume 1 supports windows, menus, dialogues, alerts, and event handling. Volume 2, which requires 1, includes routines for lists, input and output of text and data files, and string manipulation. Each package also includes some of the source code for the routines. There are also a number of additional packages that offer more routines and a Professional version that gives you complete source code.

Relevant compiler \$185 each  
Invention Software  
Techflow Pty Ltd

#### 2140 languages

##### **Script Interface Systems**

Provides the user with the tools to modify the System to enable sorting, indexing, spell checking, hyphenation, OCR, and other data processing operations in various languages, such as Urdu which read from right to left. It is possible to have the entire interaction with a Mac in a non-English language. Simultaneously co-exists with packages like Microsoft Excel, 4th Dimension, HyperCard and installed languages.

All Macs POA  
Ivy Systems  
Techflow Pty Ltd

## 2140 languages

### ScriptEdit 1.1

HyperCard utility for improving the way users write and edit HyperTalk scripts. Comes complete with an installation/tips stack. Features include the ability to edit multiple scripts in a choice of typefaces and font sizes, and a powerful Find and Replace command, like those of word processors.

\$128

Somak Software  
Reliable Australian Distributors Pty Ltd

## 2140 languages

### Serius Animation Module

Allows applications developed in Serius Developer or Programmer to construct and display full colour and black and white animation sequences.

\$125

Serius Corporation  
Reliable Australian Distributors Pty Ltd

## 2140 languages

### Serius Communication Module

An add-on communications module (Connections) for Serius Developer or Programmer. Allows the configuration of the serial ports for later use by the File Transfer, permitting applications to include file transfer capabilities across networks; and File Terminal, which gives applications terminal emulation capabilities (both included on disk). Takes advantage of System 7 Communications Toolbox.

\$125

Serius Corporation  
Reliable Australian Distributors Pty Ltd

## 2140 languages

### Serius Developer

Tool for professional programmers. An added feature is the ability to define new objects and corresponding functions. The Developers Pack includes specifications on OIP concepts, data structures, methods of integration, and low-level descriptions of the existing components. Developers creating applications can get support for marketing their application.

\$680

Serius Corporation  
Reliable Australian Distributors Pty Ltd

## 2140 languages

### Serius Programmer

An Object Interaction Protocol program that allows users to design and generate applications by dragging icons that represent objects into windows and linking them to functions of the desktop. Objects included provide for and control many of the standard Mac interface elements (such as menus, windows, buttons, pictures, text, etc.). Designed for the novice.

\$416

Serius Corporation  
Reliable Australian Distributors Pty Ltd

## 2140 languages

### Think C 4.0

(Formerly LightSpeed C.) A high performance C compiler. It compiles a

program 300% to 1,000% faster than any other Macintosh compiler. A fast code-generator useful for developing desk accessories, building device drivers, constructing code resources, or creating advanced applications. It now includes a source code debugger, support for object-oriented programming, and comes with a large class library to aid in the development of Mac applications.

\$349

Symantec Corp  
Techflow Pty Ltd

## 2140 languages

### Think Pascal 3.0

A high performance, easy-to-use Pascal programming environment. The text editor, compiler, linker, project manager and debugger are all combined in the one environment.

\$219

Mac Plus  
Symantec Corp  
Techflow Pty Ltd

## 2140 languages

### TML Pascal II 3.0

Software development system including a single pass native code Pascal Compiler, optimising linker/librarian, and a multi-window text editor. The system is able to create double-clickable applications with icons, or full desk accessories. All Mac ToolBox calls are implemented as defined in Apple's Inside Macintosh, including QuickDraw, ToolBox, operating systems, printing, packages, serial drivers, fixed-point math, 3D QuickDraw, MacIntalk speech and AppleTalk LAN, plus built-in compiler support for SANE floating point types. It supports the Mac II and makes direct access to the 68881 floating point processor available. The compiler supports Object Pascal and will allow MacAPP to be used with TML Pascal. A TML Source Code Library is available as an add-on product.

\$295

Mac Plus, SE, II  
TML Systems  
Firmware Design

## 2140 languages

### TML Source Code Library 1.1

A collection of 18 example Pascal applications. Over 1Mb of source code demonstrating how to program serial drivers, MacIntalk speech, pop-up menus, Function keys, DAs, split-scroll windows, and so on. Numerous examples demonstrate how to write definition procedures.

\$99

Mac Plus, SE, II  
TML Systems  
Firmware Design

## 2140 languages

### TMON Debugger 2.8.4

Features an interactive assembler/disassembler, single stepping through the Atrap calls, symbolic display of standard globals and equates. Dump and disassembly windows may be anchored to registers or memory addresses. Supports the Mac II. Totally revised manual and debugging tutorial. Compatible with most large screen monitors and 68020 upgrades (becoming

the standard in monitor programs). Trap Discipline checks the parameters given to ToolBox calls and alerts the programmer to invalid usage and potential problems.

Mac 512K \$249

ICOM Simulations Inc  
Solutions

## 2140 languages

### TurboCASE 2.0

An integrated, multi-window methodology supporting CASE tool and structured analysis with or without real time extension. It is multiuser, supports importing and exporting project information between team members and is capable of inter-CASE tool information exchanges. Supports Extended System Modelling Language (ESML) which provides state transition analysis, decision table analysis and process activation analysis. ESML can provide both the Ward/Mellor and Hatley/Pirbhai methodologies. Event partitioning, bottom up and top down system building are supported. Users can split, merge and prune sub-flows at any time, diagrams are kept synchronous with your data dictionary and smoothed data flows can be drawn. Inconsistencies in your model are detected instantly.

\$1,415

StructSoft  
Techflow Pty Ltd

## 2140 languages

### V.I.P. (Visual Interactive Programming) 2.51

A Visual programming editor, composed to use graphic elements, and developed using logic form and procedure icons. Provides more than 225 pre-compiled ToolBox procedures to simplify programming. A collection of procedure sets are available for adding speech, grids, databases and matrices to V.I.P. Translators to C and Pascal source code are available for LightSpeed, Turbo and MPW.

All Macs \$250

Mainstay  
PICA Pty Ltd

## 2140 languages

### Wild Things 1.1

The popular XCMD package for HyperCard has in version 1.1 adds compatibility with the most recent Think C 4.0 and Think Pascal 3.0 compilers, as well as with Language Systems FORTRAN 2.0, TML Pascal II 3.1, MPW Pascal 3.1 and MPW C 3.1.

POA

Language Systems Corporation  
Firmware Design

## 2150 tutorials

### Claris FileMaker II Training Master Pack

Materials for use in courses training users of FileMaker II.

\$689

Claris Corporation  
MicroAustralia Computer Products Pty Ltd

#### 2150 tutorials

### Claris MacDraw II Training Master Pack

Materials for Classroom Training in MacDraw II.

\$689

Claris Corporation  
MicroAustralia Computer Products Pty Ltd

#### 2150 tutorials

### Claris MacWrite II Training Master Pack

Training materials for classroom conducting MacWrite II courses.

\$507

Claris Corporation  
MicroAustralia Computer Products Pty Ltd

#### 2150 tutorials

### DTP Advisor

Training and scheduling tool for desktop publishers, a HyperCard application. Actually two programs in one: a graphic arts tutor that users can consult about specific design decisions; second, it is a project management system for keeping track of schedules, estimates, etc., for all publishing projects.

Any Mac \$125

Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2150 tutorials

### HyperTutor

1.2

An interactive tutorial to help HyperCard users learn HyperTalk. Recommended for screen layout, interactive learning, and ability to play with concepts being learned. 41 lessons show every command and its use.

512K Mac \$110

Power Up Software Corporation  
Halldale Technologies

#### 2150 tutorials

### Just Enough Pascal

1.0

A DA used with the Think Pascal development environment. As you build and modify each stage of the application, new programming concepts are introduced and explained. Good for learning how to program in Pascal on the Mac.

\$119

Symantec Corp  
Techflow Pty Ltd

#### 2150 tutorials

### MacType

Teaches touch typing using standard QWERTY or Dvorak keyboard arrangements. Suits classroom use: it maintains statistics for up to 100 students, offering comprehensive progress measurement. Offers various tutorial levels according to skill, and includes a metronome that recognises when the user's keystroke rate becomes uneven and turns itself on to regulate typing rhythm. Issues a certificate of achievement when the user tests at 30 wpm with 99% accuracy.

\$105

Palantir Software  
Solutions

#### 2150 tutorials

### Mavis Beacon Teaches Typing!

A typing tutor program which monitors your performance to diagnose specific typing problems, designing custom lessons to accommodate them. Lesson texts include the Guinness Book of World Records, jokes, rhymes, original fiction and riddles. For fun an arcade-style 3D road racer game is provided, where your typing speed is the accelerator. Provides Dvorak keyboard training also. Requires at least 800 K drives.

\$75

Software Toolworks  
Try & Byte

#### 2150 tutorials

### MediaTracks

A training tool for creating inexpensive tutorials. Enables users to "tape" a Macintosh screen session, edit it, add sound to it, annotate it, and play it back in a variety of ways. Merges two existing Farallon technologies: ScreenRecorder and MacRecorder. Works by replaying programmer's on-screen moves and voice comments alongside whatever video material is attached to the MediaTracks "time line" of on-screen events, providing realtime presentations. Consists of several components: a module of ScreenRecorder 2.0 software, a Multimedia Pack module that incorporates sound using Apple's HyperCard technology and an upgrade package for users of Farallon's ScreenRecorder 1.0 software. The editing facilities are simple, and adequate for all but glossy presentations. A Macintosh CD ROM version of the Mediatacks Multimedia Pack was announced. MediaTracks (MM100) \$449; MediaTracks (MM110) \$799  
Farallon Computing  
NetComm [Australia] Pty Ltd

#### 2150 tutorials

### ScreenRecorder

1.0

Software to record screen sessions to disk. A point-and-shoot camcorder for Macintosh screen images, creating "tape" sequences of actions on the Mac for playback at selectable speeds. Positioned as a tool for training sessions or presentations. Add sound to the presentation using MacRecorder. The application in which the user created the "tape" need not be present at playback.

\$299

Farallon Computing  
NetComm [Australia] Pty Ltd

## 2180 games

This category encompasses a wide range of entertainment and "personal enrichment" programs: adventure games, arcade-style games, strategy games, electronic card games, chess and board games – even outright weirdware (MacPlaymate, Strip Poker). You pays your money and you takes your choice.



#### 2150 tutorials

### Type!

An intelligent, responsive typing program that utilises scientific research on how people really learn to type. It shows with graphs how you're improving by letter, by keyboard row, by hand, even by finger. Uses complete words and interesting sentences but you can customise drills for your own special words. Comes with Type!-athon, an arcade-style typing game.

Any Mac \$60

Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2150 tutorials

### Writers Suggestions and Reminders

A style checker and copy editor which draws attention to words, phrases, abbreviations, punctuation, and spacing in 16 categories.

Microlytics Inc  
Trio Technology

#### 2180 games

### Astrix

Foretells the future and casts horoscopes which are insightful and fun for the whole family. Performs the same complex calculations used by astrophysicists, but does not require the user to be an expert. A good way to learn about astrology.

\$104

Microseeds Publishing  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### Autoduel

On the highways of the 21st Century, fire power is as important as horsepower. Your mission is to win enough money, build a car, equip it with weapons and carry out important assignments for organisations like the FBI and the Mafia.

Any Mac \$55

Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### Balance of the Planet

Launched on Earth Day, 1990, naturally this strategy simulation is fought over the earth's environmental problems. The player takes on the role of High Commissioner of the Environment, with power to levy taxes and grant subsidies within the realistic limits of our world of vested interests. The option to



preset a choice of political bias and alter the algorithms that assign numerical values to the 150 issues the game tackles, adds depth to the game.  
Mac Plus, SE \$95  
Accolade  
Empire Ridge

#### 2180 games

### Bermuda Square

A 32K puzzle game. You have at your disposal one each of 24 squares with dimension 1 x 1 unit, all the way up to 24 x 24 units. The aim is to place as many as possible of these squares (without overlapping) into a 70 x 70 grid. The bigger the square, the more points (a 3 x 3 gives 9 points, for example).

512K \$55  
XOR Corporation  
Try & Byte

#### 2180 games

### Casino Master

Play any of BlackJack, Roulette, Poker and Baccarat. Rules can be adjusted to emulate any of the casino's around Australia, or you can just play the standard setup.

512K \$140  
Centron Software Inc  
Try & Byte

#### 2180 games

### Crystal Quest/Critter Editor 2.2

Arcade-style, multi-level space age shoot-'em-up game, in colour and with 300K of digitised sound. Destroy the nasties before they get you, then schmooze up to the next more difficult level. Works under MultiFinder, no copy protection. Critter Editor (\$140) allows you to make over 1,000 changes to Crystal Quest's colours, sounds, shapes and critter behaviour. Create your own "nasties" making them look, sound and behave as disgusting - or as nice - as you want. Recreate your pet peeves and blow them to smithereens!

Mac Plus, SE, II \$88  
Greene Inc  
Solutions

#### 2180 games

### Dark Castle

1.0

Fast-paced, arcade-style game which includes 72 different digitised sounds, detailed graphics and animation. Penetrate the secrets of the inner throne and defeat the Black Knight before he or hundreds of the castle's anti-social denizens knock you off. Beyond Dark Castle, its successor, begins where the original game leaves off.

Mac 512K \$95  
Silicon Beach Software Inc  
InfoMagic Pty Ltd

#### 2180 games

### Early Games For Young Children

A group of 9 individual learning games that teach children a variety of basic skills, and a fun introduction to computers. The picture menu makes it easy for children to select and play games, so no supervision is necessary. Grades Preschool - 2.

Any Mac \$60  
Springboard Software Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### Fire-Brigade

2.0

An Australian-made strategy war game, featuring excellent graphics. Can be networked to another micro (Mac, IBM, Amiga, Atari ST or Apple IIGS) for simultaneous play. Version 2.0 has 256 colours, a new scenario which is compatible with earlier version. Copy protection: code from the manual.

Mac 512 K \$50  
Panther Games Pty Ltd  
YPA Holdings

#### 2180 games

### Grand Prix Circuit

User can select one of eight authentic Grand Prix courses, either racing or practising on a single course, or entering the Grand Prix championship circuit, driving for one of three teams. Copy protection: key disk HD install.

Mac Plus \$60  
Accolade  
Ozisoft

#### 2180 games

### Halls of Montezuma

War game which follows the history of the US Marine Corps from the early 1800's through to the Vietnam War.

\$50  
Strategic Studies Group  
Strategic Studies Group

#### 2180 games

### Jam Session

You play solo by hitting any combination of keys on the computer keyboard while Jam Session's animated band plays back-up. All sounds are digitally recorded from actual instruments. You can jam with a heavy metal band or join classical, jazz or country sessions. Save your sessions and play for a friend.

Any Mac \$85  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### Leprechaun

You play the Leprechaun King pushing a pot of gold to the top of a rainbow, armed with rocks and shamrocks. Trying to stop you will be birds, trolls, thorns, troglodytes and snails as you negotiate the 120 levels of the Leprechaun world.

Mac Plus \$90  
Shading  
Try & Byte

#### 2180 games

### Lode Runner

Lode Runner is a fast action game which has you running, climbing, solving puzzles and drilling through stone floors in completing your mission. A games generator lets you design your own puzzles and scenes.

Any Mac \$20  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### Lunar Rescue

A space adventure incorporating arcade-style action and free-market trading

strategies. As the player transports supplies between 26 isolated lunar colonies, you explore the terrain and debris to find crystals that maintain the automated lunar defence network which has gone haywire. At each colony, supplies are strategically bought and sold. Suits older Macs: 512K, 512Ke, Plus and SE.

\$100  
XOR Corporation  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### MacCourses

Four additional, professionally-designed 18 hole courses for MacGolf. More challenging than the original courses, requiring skill and strategy of a pro MacGolfer. The course traps, hazards, fairways, and putting greens are in a whole new league. Requires MacGolf.

\$56  
XOR Corporation  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### MacGolf

Challenging 3D graphic simulation of two professionally-designed 18 hole golf courses. Matches players skills against sand and water traps, trees, fairways, roughs and greens. Player controls stance, ball placement and direction, club choice, swing and more. Features authentic digitised graphics and sounds and accommodates four players. Suits older Macs: 512K, 512Ke, Plus and SE.

\$100  
XOR Corporation  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### MacGolf Classic

A premium edition of MacGolf, featuring vivid colour graphics. Contains the original two MacGolf courses, plus four additional courses, for a total of 108 holes to play. Other features: five enlargement options; nine practice greens; and a driving range. Suits the Mac Plus, SE, SE/30, and Mac II.

\$152  
XOR Corporation  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### MacRacquetball

Full-perspective, detailed 3D graphic simulation which pits players against the Mac or against another player via modem, AppleTalk or a printer cable. Accurately replicates the effects of bounce, gravity and speed. Full control of numerous player characteristics: positioning, aiming, power, and virtually every aspect of the real game. Suits the Mac Plus and SE.

\$100  
XOR Corporation  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### MacSki

Animated skiing. User choice of skis and ski runs (from one of 20 challenging layouts, or design your own dream course

using the built-in Course Editor). Set weather and snow conditions, and level of difficulty. Obstacles include snowmen, penguins, igloos and snow. Offers digitised sounds and colour graphics. Suits Mac Plus, SE, SE/30, and II. Requires 2Mb for colour.

XOR Corporation \$112  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### Microsoft Flight Simulator 1.1

The first flight simulator for Mac, now in 3D. Multiple windows and views can be used to follow the flight path while using the map. User-selectable flight conditions include weather, season, and time of day. Switch to a control-tower perspective and watch the plane as it rolls, loops and dives. Choice of planes, including a jet and a World War I Ace option. A full Help screen feature supplementing the manual, is detailed enough to get you off the ground in a short time. Excellent graphics and digitised sound.

Microsoft Corporation \$95  
MicroAustralia Computer Products Pty Ltd

#### 2180 games

### Mission Starlight 2.2

Arcade-style flight action game. Supports colour or black and white, with 500K of digitised sound.  
Mac Plus, SE, II \$88  
Greene Inc  
Solutions

#### 2180 games

### Moebius

Role-playing adventure. You are a disciple of Moebius who must defeat Kaimen and his evil sect and recover the Orb of Celestial Harmony.

Any Mac \$55  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### NFL Challenge

A National Football League gridiron simulation. Uses latest player statistics (annual updates available) in over 60 offensive and defensive plays. Other features include: game clock; slow motion; instant replays; graphic animation and other elements of pro football. Can be played against another person or the Mac. Suits Mac Plus, SE, SE/30 and Mac II.

XOR Corporation \$112  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### Ogre

In this futuristic strategy game, you must defend your command post against the cybernetic fighting unit, Ogre. Its a cross between traditional military simulations and computer chess based on the popular board game by Steve Jackson.

Any Mac \$40  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### Pirates Mac

Take a Caribbean fling. Sail to 50 island towns seeking fame and fortune in this adventure role-playing game. Be a wild buccaneer or a refined nobleman in scenarios authentically based on the rich history of the Spanish Main. Dig for riches, bombard fortresses and other ships, invade coastal town with your rag-tag crew, and pursue hundreds of unpredictable twists of fate.

MicroProse Software, Inc. \$88  
MicroAustralia Computer Products Pty Ltd

#### 2180 games

### PRO Challenge

A gridiron simulation with the emphasis on coaching. Two teams, from each year's "All NFU" team, the All Stars and All Pros, are used to test coaching skills on three levels: Conservative, Aggressive, and Balanced. Each player is weighted according to his ability to run, pass, receive, block and kick. Offers 27 offensive and 14 defensive plays. Mac Plus, SE, SE/30, and Mac II.

XOR Corporation \$80  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### Reach for the Stars 3.0

The third edition is still an Apple II-style of game. The movement, the graphics, the lack of use of the Mac's expressive power is typical of a game that was not originally designed for the richness of this interface. In its own right, however, this is a classic, with a wealth of scenarios for the conquest of the Galaxy, and plenty of strategic challenges.

Strategic Studies Group \$50  
Strategic Studies Group

#### 2180 games

### Road Racer

A 1965 Corvette driving simulation, offering five environments ranging from high-speed desert flats to twisting mountain roads. Detailed sounds and graphics, spectacular scenery, obstacles and crashes. Points are scored for fast, skilful driving, by steering and accelerating with the mouse and keyboard for braking. Several levels of difficulty. Mac Plus, SE, SE/30 and Mac II.

XOR Corporation \$112  
Reliable Australian Distributors Pty Ltd

#### 2180 games

### Seahaven Towers

A version of the classic Solitaire, in full colour.

Shareware

#### 2180 games

### Shanghai

Loosely based on Mah Jong, where you match pairs of tiles to remove them, but you can't remove a tile which is covered by another tile or has a tile both to left and right. Play against an opponent or the Mac.

Full colour, 3D tiles, digitised music and sound effects.

Mac Plus, \$75  
Adventurer  
Try & Byte

#### 2180 games

### Shufflepuck Cafe

Play air hockey against nine misfits of the galaxy. Each opponent has a distinctive style. An arcade game that is easy to play but hard to master. Good use of Mac sound and graphics capabilities.

Any Mac \$65  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### SimCity

Enter SimCity and take charge of an evolving, growing city – the excitement of simulation strategy without the violence of war gaming. Become both mayor and city planner of a dynamic realtime simulation. Collect taxes, hire police, design public transport, create an urban utopia or turn city life into a nightmare! Loaded with animation and detailed sound effects. SimCity Supreme is the colour version, designed specifically for the colour Mac II, including a terrain editor (\$80).

Any Mac \$80  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

### Sky Shadow

An arcade-style action game from the author of Crystal Quest. Supports full colour or black and white, and 500K of digitised sound. Addictive, easy to play, hard to beat.

Mac Plus, SE, II \$88  
Greene Inc  
Solutions

#### 2180 games

### Solarian II

Climb into your battle ship and face wave after wave of deadly Swarm leaders, Strafers, Shock Troops, Bodyguards, and other outer space nasties. Animated colour graphics and sound pump out that extra adrenaline rush.

Shareware

#### 2180 games

### Solitaire DA

A DA containing three popular solitaire card games in colour or black and white: Klondike, Boston and Pyramid. Play anytime, MultiFinder compatible.

512 \$65  
Adventurer  
Try & Byte

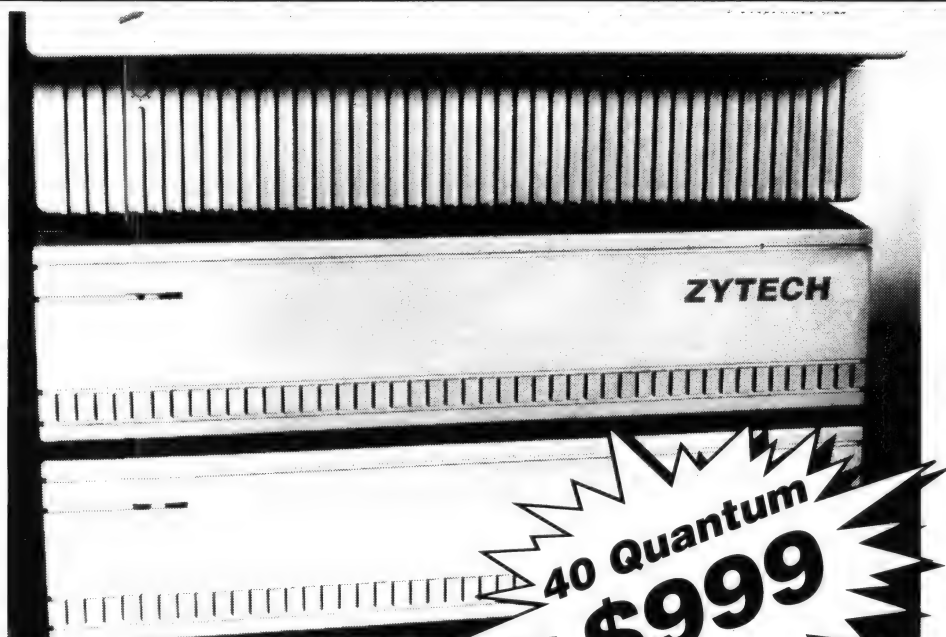
#### 2180 games

### Solitaire Royale II

Includes eight of the most popular adult solitaire games as well as games for children. Well presented, well conceived and feature laden. It takes the tedium out of solitaire by adding speed and completely random shuffles.

\$85  
Spectrum HoloByte  
Empire Ridge

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#### 2180 games

##### Space Rogue

Superior role-playing game in which you are the pilot of a Sunracer cargo spaceship. Make a fortune in intergalactic trading, or become a bounty hunter, or pirate. Includes flight simulator, and HIVE!, an arcade game within a game.

Mac Plus \$70  
Origin Systems  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### Star Wars

A fairly basic shoot-'em-up with only simple variations. Reminiscent of the old arcade game with digitised sounds. Black and white. Copy protection: key disk.

Mac 512Ke \$70  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### TaskMaker

Adventure game. The aim is to restore order and prosperity to the Kingdom. Under the guidance of the TaskMaker, the player must explore lands, caves and castles to complete the 10 assigned tasks. Tasks gradually increase in difficulty. Complete the tasks and become Master to change the game and obtain true freedom. Mac Plus, SE, SE/30 and II.

\$80

XOR Corporation

Reliable Australian Distributors Pty Ltd

#### 2180 games

##### The Ancient Art of War

The Ancient Art of War lets you plan and carry out military campaigns against seven of the most brilliant military minds in history conducting historically authentic campaigns. Try challenging the legendary Sun Tzu, or use the game generator to create your own military campaign from scratch.

Any Mac \$70  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### The Ancient Art of War at Sea

The Ancient Art of War at Sea combines realtime excitement with the intellectual challenge of leading a navy into victory on the high seas. Choose from 11 classic campaigns or use the Game Generator to create your own.

Any Mac \$75  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### The Hunt for Red October

Based on the novel (included in the package) about an attempted defection by the crew of a secret Soviet submarine to the US.

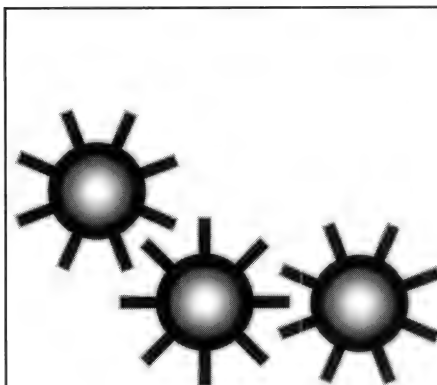
\$85

Software Toolworks  
Try & Byte

#### 2180 games

##### Ultima III

In Ultima III you must defeat Exodus, the spawn of Minax and Mondain. This epic adventure features advanced dungeon and



## 3010 manufacturing systems

One of the growing vertical market applications categories, this software is designed to assist in the management or control of manufacturing processing, including robotics.

other full colour graphics throughout. You must travel your four-character party on a quest to defeat the evil wizard Minax. Features 32 magic spells, 11 character classes and 5 races to choose from.

Any Mac \$55  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### UMS: The Universal Military Simulator

A battle simulation and strategy program which allows the user to re-enact classic battles. Five scenarios are included: Arbela, Hastings, Marston Moor, Gettysburg and Waterloo. Provides digitized sound, 3D battlefields and the ability to pitch Alexander the Great against William the Conqueror at Waterloo, together with the option of designing your own landscapes and armies. The user can challenge the computer or a friend.

\$79

Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### Utopia

All life in your galaxy is slowly coming to an end. The only hope for mankind is to locate and colonise the plentiful haven of Utopia. As an experienced space explorer, you are chosen to find the legendary haven!

Any Mac \$70  
Unicorn Software Company  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### Where in Europe is Carmen Sandiego?

In her newest adventure Carmen is going after the treasures of Europe. As you follow Carmen you will learn lots about European geography, culture and history. Includes Rand McNally Concise Atlas of Europe. Copy Protection: key disk.

Any Mac \$85  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### Where in the USA is Carmen Sandiego?

Carmen and her gang are on the loose again and out to steal precious national treasures. The package includes Foder's USA travel guide. Work your way up through 10 detective ranks.

Any Mac \$90  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### Where in the World is Carmen Sandiego?

When last seen, the auburn-haired ex-secret agent was heading for Istanbul - or was it Cairo? Chase Carmen and her gang of master thieves all over the globe as you decipher clues using your Crime Computer and your copy of The World Almanac. You'll advance from rookie to sleuth to ace detective. Pick up interesting information about geography, history and culture along the way.

Any Mac \$70  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 2180 games

##### Where in time is Carmen Sandiego?

You must chase Carmen through time, with the help of a history text.

\$85

Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

#### 3000 vertical applications

##### AbraTrak Mac

Specialised job applicant tracking system for human resource managers; includes search and report functions, a letter generator and interview scheduling. A multi-user network version is available. One of a range of personnel information systems.

POA

AbraMacDabra  
none/TBA

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### DentalMac

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3000 vertical applications

### LiquorStore

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A point-of-sale system for liquor retailers, incorporating a cash draw with daily reconciliation, sales analysis, sophisticated stock control, purchase orders, debtor management, and customer orders. A barcode interface is available.

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MaxSoft Pty. Ltd.  
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3000 vertical applications

### MacRoad

2.03

Designing roads, plotting long sections and cross sections; recalculate and redraw; produce drawings on pen plotters, laser printers or dot matrix printers; prepare schedules of quantities for earthwork, pavements, topsoil stripping, grassing, kerb and channel, etc.

\$1,500

Creative Engineering  
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3000 vertical applications

### MEDLINE Knowledge Finder

CD-ROM retrieval system for use with MEDLINE database. Contains over 3,000 biomedical literature citations from the National Library of Medicine (USA). 5-user pack: \$295; 10-user pack: \$435.

\$295 +

Aires System Corporation  
JAM Software

3010 manufacturing systems

### CAMM-1 Desktop Sign Maker

With this device, a Macintosh can generate vinyl signs directly in true CAD/CAM. Images created with Illustrator 88, Adobe Streamline, FreeHand, LetraStudio, or Broderbund's TypeStyler, among others, are translated into vinyl cuts directly. By switching from cutter to pen mode, the CAMM-1 can operate as a single pen plotter.

POA

Roland Digital Group  
Roland Australia

3010 manufacturing systems

### CAMM-2 Desktop Engraving Machine

For the engraving of light metal plates such as brass, or traditional plastics.

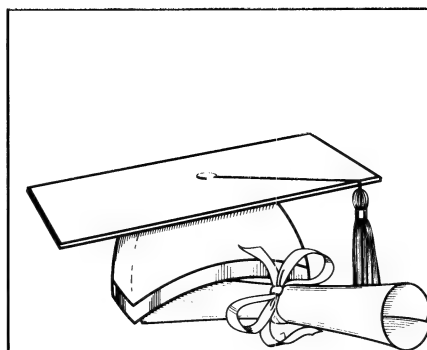
POA

Roland Digital Group  
Roland Australia

3020 library management

### Biblio-Link

A companion program to Pro-Cite. BiblioLinks allow users to transfer records that have been downloaded from specific on line services. They analyse the records and extract all the fields needed for



## 3030 education

Courseware chiefly designed for educational institutions; and individuals, for assisting with foreign language training, for example. This category also includes school administration and examination preparation software.

bibliographic citations. Take information from BRS, DIALOG, MEDLARS and place it straight into PBS, your link to the world.

All Macs \$370  
Personal Bibliographic Software, Inc  
InfoMagic Pty Ltd

3020 library management

### Libra

An integrated multi-user and multilingual library and information management system designed for use by libraries and information centres. Contains five subsystems: acquisitions (user recommendations, getting approvals, placing orders, receiving goods and payment); cataloguing; circulation (issue, reissue and return, SDI, overdue reminders, report generation); on-line referencing; and administration (password protection of subsystems and customisation). Conforms to AACR-II card format, compatible with MARC, SMARC, supports barcode and magnetic card readers. For small- to medium-sized libraries. Requires 4th Dimension.

All Macs POA  
Ivy Systems  
Techflow Pty Ltd

3020 library management

### MacBook

2.0

A single (upgradable) or multi-user library management software which handles catalogue searches, barcode control, collection control, fines, reports and overdue notices. Permits simultaneous access by patrons and staff, extensive reporting and data exchange, and a wider range of search features. Options include a graphics package for preparing reports, hard disk and tape backup systems, and an electronic information system, The MacLibrary Exchange.

POA

COMPAnion Consulting Corporation  
EdSoft

3020 library management

### Pro-Cite for the Macintosh

2.6

Designed to help users compile bibliographies and use citations, widely used in libraries, research and education; it's a specialised database and text

management system specifically aimed at academics and librarians that enables users to compile and maintain bibliographic information using 20 predefined and six user-defined document types (including reports, letters, manuscripts, audio-visual material, computer programs, books and journals). Also provides a turnkey solution for business, consolidating valuable documents. Allows automatic output of formatted bibliographies in 26 styles, including international standards. Searching, sorting and indexing are possible on all fields. Records may be searched via Boolean logic and the resulting entries combined to form a specialised bibliography. Other features include: variable length fields and records, detection of duplicates, full screen editor and context sensitive help. Each database will hold a maximum of 32,500 records. MultiFinder compatible.

Mac Plus, SE \$745  
Personal Bibliographic Software, Inc  
InfoMagic Pty Ltd

3030 education

### Alphabet Blocks

An animated talking Elf teaches children by example how to recognise and pronounce the letters of the alphabet. She portrays the correct facial expression involved with sounding out the letters. Designed for easy use by children, with no previous reading skills required.

Mac Plus, SE, II \$110  
Bright Star Technologies  
Solutions

3030 education

### Animal Kingdom

Teach children about the wonders of the animal kingdom while developing their language arts, reading comprehension, discrimination and memory skills. Suitable for grades 1 - 6.

Any Mac \$70  
Unicorn Software Company  
Dataflow Computer Services Pty Ltd

3030 education

### Atlas Explorer

A pragmatic approach to learning world geography. Discover the world with detailed maps that take you any where.



Built-in tutorials summarise general information about currencies, major cities, geographic area, population and language. Let Atlas Explorer quiz you or quiz yourself. Grades 4 - 12.  
Any Mac \$60  
Springboard Software Inc  
Dataflow Computer Services Pty Ltd

### 3030 education

#### AudioStack

A complete toolkit to create interactive software with control of an Audiodisc in The CD-ROM drive. The set of tools allows a non-programmer to create customised titles (such as the Beethoven and Stravinsky CD-Companion disks). An Audiodisc is included, as well as many examples and utilities.

\$179

The Voyager Company  
Firmware Design

### 3030 education

#### Beethoven's 9th Symphony

This product is the first of a kind. The concept is simple: take standard audio CD and play in the Apple CD-ROM drive under control of a Macintosh running HyperCard, adding text, graphics, commentary, and other controls for the listener, exploring the work in great depth utilising a variety of media. It's a full interactive study of the famous symphony by Robert Winter, a well known music critic, author and musicologist. Offers notes on Beethoven's life, insight into musical architecture, and the imaginative use of comments running while the disk plays. A must for anyone with even a casual appreciation of classical music.

\$179

Macs Plus  
The Voyager Company  
Firmware Design

### 3030 education

#### Calculus

Calculus presents a full year of introductory calculus and uses the interactive capabilities of the computer to act as a private tutor. The sequence of operations required to solve basic calculus problems are animated, demonstrated and explained. Over 350 problems are included with an Automated Index and Table of Contents.

\$155

Any Mac  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

### 3030 education

#### Course Builder Series

An easy-to-use flowchart program designed for professional educators. Uses built-in animation, graphics and editing to simulate real-world events; it bridges to other programs or HyperCard stacks; and it generates reports about student progress. Also available with Video Builder, which controls laserdisc players, VCRs or slide projectors and includes the appropriate video drivers and cables. Course Builder Colour and Video Builder Colour add colour to training presentations on a Mac II. Also available in German, French and Kanji.

\$845

TeleRobotics International, Inc  
Solutions

### 3030 education

#### Dietician

Nutritional information software designed to assist hospital staff, cooks, and anyone interested in special dietary programs.

\$165

ALSoft Inc  
Next To Mac

### 3030 education

#### Dinosaurs

A HyperCard software package comprises two linked stacks, one containing information on a large number of dinosaurs, and a reference stack containing data on the origins, classification and discovery of dinosaurs, a guide to important collections, linked biographies, and information on Australian dinosaurs. Also included are notes, maps, charts and graphs. A version without music and sound effects for 800K disk owners.

\$50

Mac Plus, SE, II  
Kookaburra Software  
Kookaburra Software

### 3030 education

#### Geometry

Lets students explore the basic concepts of the subject interactively on screen. Special interactive animation illuminates abstract ideas and allows users to experiment with the basic concepts of geometry, making abstract theorems come to life. Immediate feedback and help is always available in the form of hints, references, explanations or answers to over 350 problems.

\$155

Any Mac  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

### 3030 education

#### HyperGlot Foreign Language Software

A set of HyperCard tutorials in Japanese (KanjiMaster), Chinese, Spanish, French, German, Russian and Italian, which incorporate quality sound and pronunciation. Offers word and grammar drills in cumulative modules and, in the case of KanjiMaster, 325 Kanji characters with their English and Hiragana equivalents. Some languages available in CD-ROM format.

\$63+

Mac Plus, SE  
HyperGlot  
Validata Educational Computer Supplies

### 3030 education

#### Lizards of Australia

A HyperCard stack providing information on Australian lizards, including common name, scientific name, family, characteristics and habitat.

\$50

Mac Plus, SE, II  
n/a  
Kookaburra Software

### 3030 education

#### MacAcademy Video Training Series

A series of two-hour PAL format VHS videotape training guides for 26 popular Mac software packages, including Beginning Mac and Advanced Mac techniques. Word 4.0, Excel 2.2, Works, PageMaker 4.0, XPress 3.0, Illustrator,

FileMaker II, HyperCard, SuperPaint, networking techniques, and many more. Suitable for individuals or group learning situations. Tapes are time-coded so users can review selected skill areas without having to scan the whole tape.

\$79 each

Florida Marketing International Inc  
MacAcademy (Aust) Pty Ltd

### 3030 education

#### MacSchool

3.0

School administration package; its the price depends on how many modules are purchased. Modules include: student demographics, scheduling, attendance, marks, report cards. Integrates with Fund Accounting.

SE  
Chancery Software  
Chandler Software

POA

### 3030 education

#### Once Upon a Time

Allows 6 to 12 year olds to design and print their own illustrated book. The package allows for books to be written about Main Street, a farm or jungle safari with pre-drawn graphics to be arrayed on the page. The package also includes colour pencils for the child to colour in the book.

\$70

n/a  
Dataflow Computer Services Pty Ltd

### 3030 education

#### Physics

An introductory course in classical mechanics that reviews, amplifies and complements an entire year's coursework. Makes full use of the interactive capabilities of the computer with animation, immediate feedback, hints and further explanation. 300 problems are provided, giving individualised support and guidance.

\$155

Any Mac  
Broderbund Software Products Inc  
Dataflow Computer Services Pty Ltd

### 3030 education

#### Read-A-Rama

For children who are just beginning to learn to read and spell. Suitable for grades 1 - 3.

\$90

Any Mac  
Unicorn Software Company  
Dataflow Computer Services Pty Ltd

### 3030 education

#### Speed Reader II

Designed to help increase reading speed and improve comprehension. Contains six different activities and 35 reading selections. The editor feature allows you to add your own material and have its level of difficulty analysed by the built in grade level analyser. Grades 5 - 12.

\$100

Any Mac  
Davidson & Associates Inc  
Dataflow Computer Services Pty Ltd

### 3030 education

#### Stepping Stones, Levels 1 and 2

Programs introducing the fundamentals of learning. Through colourful, animated

graphics and lively interaction, the child becomes familiar with basic concepts.

Suitable for grades Preschool - 2.

Any Mac \$60

Cinemaware

Dataflow Computer Services Pty Ltd

3030 education

### **Stravinsky's Rite of Spring**

Another interactive, multimedia music title for owners of CD-ROM drives, again by Robert Winter, the author of the companion to Beethoven's Ninth Symphony. Offers the listener a new insight into aspects of music through a mix of user-controllable audio, text, graphics and expert commentary.

\$179

The Voyager Company

Firmware Design

3030 education

### **Talking Tiles**

Interactive talking tutor featuring real speech sounds synchronised with correct facial movements. Encourages the student to learn how particular letter sounds work together by providing both audio and visual reinforcement to the learning process. Features both Word and Picture dictionaries, for adults and another for younger users. Can be tailored for any age or language group. Useful in special education, for the deaf and hard of hearing to people learning English as a second language.

\$205

Bright Star Technologies

Solutions

3030 education

### **The Magic Flute**

A three-disk set containing Mozart's opera "The Magic Flute" on CD-ROM, in an interactive multimedia format (as the Voyager series on Beethoven's Ninth and Stravinsky), this time from Warner Bros. Offers the user full control of music, text, graphics and commentary. Contains the full libretto in English as well as German, a running commentary on the stage action, musical notes and a wealth of background information on the opera and Mozart himself.

\$99

Warner New Media

Firmware Design

3030 education

### **VocabuLearn/CE Japanese**

The Japanese "flashstack" comprising 1,300 cards, two 90-minute tapes and two manuals, to assist in learning Japanese. Also available in German, French, Italian, and Spanish,

\$88+

Penton Overseas Inc

Techflow Pty Ltd

3030 education

### **WordPlay**

For crossword fans, offering more than 50 crossword puzzles with a wide range of difficulty levels: KidStuff, Easy, Regular, Sunday Best, Theme or Diagram-less, or create your own puzzles. Five kinds of

Help are available, and you can print if you have a puzzle open. The puzzle will print out ready to play, with numbered boxes and complete clue lists. (Puzzles can be printed blank, with a solution in progress or with a solution filled in.) Clues can be omitted, put on a separate page or left on the same page. You can also save the current solution in progress to disk.

\$98

Palantir Software

Solutions

# Macintosh Product Guide 1990/1991

## Alphabetical Product Listing

(Products in the body of the guide are listed in the numerical order of their categories and within categories they are listed alphabetically.)

Product name	code category	Product name	code category
1 Mb RAM upgrade	1022 upgrades	Aldus PrePrint	2092 desktop publishing
16in Trinitron Colour Display	1031 monitors	AlisaMail	1091 e-mail
19in Platinum Display	1031 monitors	AlisaTalk - ADP - DEC	1040 output and print
1Mb and 4Mb RAM SIMMS	1022 upgrades	printer support	
2 Mb RAM upgrade	1022 upgrades	AlisaTalk System	1090 networking
21in Platinum Two Page Display	1031 monitors	AllPage	2092 desktop publishing
3.5in Disk-Rainbow Colours	1010 accessories	Alphabet Blocks	3030 education
3D Works	2103 presentation and animation	Amazing Paint	2100 graphics
4D Calc	2060 spreadsheets	Anchor Pad Series	1010 accessories
4D Draw	2102 CAD and design	Animal Kingdom	3030 education
4D Write	2091 word processing	Anko Mouse	1030 input and display
4th Dimension	2010 data management	Aperture	2102 CAD and design
4th Dimension Compiler	2010 data management	APL	2140 languages
5.25in drive	1051 floppy and removable	APL Plus/Mac	2140 languages
A.M.E. - Access Managed	2132 disk and file utilities	Apple 12-inch colour monitor	1031 monitors
Enviroment		Apple 12in Monochrome monitor	1031 monitors
A-Tosh	1051 floppy and removable	Apple 4•8 Display Card	1030 input and display
AAIS Prolog	2140 languages	Apple 8•24 Display Card	1030 input and display
Aapps DigiVideo and Micro TV	1034 video/interactive	Apple 8•24GC Display Card	1030 input and display
AbraTrak Mac	3000 vertical applications	Apple A/UX	2140 languages
Absoft RAT F77	2140 languages	Apple CD SC CD-ROM	1053 optical storage
AC Fortran F77/020	2140 languages	Apple Extended Keyboard	1010 accessories
ACA MRD40	1051 floppy and removable	Apple FDHD Drive	1051 floppy and removable
Accounting Manager	2080 accounting	Apple High Resolution colour, 13in.	1031 monitors
AccuText OCR Software	2091 word processing	Apple IIe Emulation Card	1021 co-processors
Acta Advantage	2094 idea processing	Apple PC 5.25in Drive	1051 floppy and removable
Ad-Builder Electronic	2101 artwork	Apple Portrait Monitor	1031 monitors
ADA Payroll Manager	2080 accounting	Apple Scanner	1032 scanners
ADB and Plus MouseStick	1030 input and display	Apple SCSI HD20/40/80/160	1052 magnetic mass storage
Adobe Collector's Edition #1	2101 artwork	Apple Tape 40SC	1052 magnetic mass storage
Adobe Collector's Edition #2	2101 artwork	Apple Two-Page Display	1031 monitors
Adobe Font Folio	2093 fonts	Apple Video RAM	1030 input and display
Adobe Illustrator	2100 graphics	AppleShare	1090 networking
Adobe PhotoShop	2100 graphics	AppleShare PC	1090 networking
Adobe Plus Pack	2093 fonts	AppleTalk	1090 networking
Adobe Publishing Packs	2093 fonts	AppMaker	2140 languages
Adobe Smart Art 1, 2, 3 & 4	2093 fonts	Archive MaxStream Tape Drives	1052 magnetic mass storage
Adobe Streamline	2100 graphics	Artbeats	2101 artwork
Adobe TrueForm	2095 form design	ArtRoom	2101 artwork
Adobe Type Manager	2093 fonts	Asante Ethernet Cards	1090 networking
Adobe TypeAlign	2093 fonts	Astrix	2180 games
Adobe Typefaces	2093 fonts	ATF ProType	2093 fonts
Adobe TypeReunion	2093 fonts	ATF Type Foundry	2093 fonts
Adobe TypeSet 3	2093 fonts	ATF Typographer	2092 desktop publishing
Adobe TypeSets 1 & 2	2093 fonts	Atlas Explorer	3030 education
AdPlanner	2092 desktop publishing	AudioMedia	1034 video/interactive
AdSpeed/PageSpeed Workstations	2092 desktop publishing	AudioStack	3030 education
Advanced Security	2132 disk and file utilities	Australiana Clip-Art	2101 artwork
AEC Information Manager	2020 resource management	Authorware Professional	2103 presentation and animation
After Dark	2130 utilities	Autocad	2102 CAD and design
Agfa Matrix ProColor Film Recorder	1044 typesetting and film	Autoduel	2180 games
Agfa Matrix RIP	1044 typesetting and film	AutoModem 1234	1081 modems
Aldus Freehand	2100 graphics	AutoSave	2132 disk and file utilities
Aldus PageMaker	2092 desktop publishing	Avid/1 Media Composer	1034 video/interactive
Aldus PageMaker Portfolios	2092 desktop publishing	Aztec C family	2140 languages
Aldus Persuasion	2103 presentation and animation	Backer	2132 disk and file utilities
		Backmatic	2132 disk and file utilities



# Alphabetical Product Listing

Balance of the Planet	2180	games	Comment	2133	system utilities
Barneyscan CIS 4520 Scanner	1032	scanners	CompileIt!	2140	languages
Barneyscan CIS-3515	1032	scanners	Compugraphic CD-ROM	2093	fonts
Barneyscan CIS-Gallery	2100	graphics	Type Library		
Beethoven's 9th Symphony	3030	education	Compugraphic Series Typesetters	1044	typesetting and film
Bermuda Square	2180	games	CompuGuard	1010	accessories
Biblio-Link	3020	library management	Comserve	1090	networking
Big Thesaurus	2091	word processing	Convert	2130	utilities
BigImage 1.05	2140	languages	Correct Grammar	2091	word processing
Bitstream Fonts	2093	fonts	CourierManager	2080	accounting
BLP II or IIS 2Mb RAM Upgrade	1045	printer accessories	Course Builder Series	3030	education
BLP II or IIS HP Emulation Kit	1045	printer accessories	Cricket Device Drivers	1040	output and print
BLP II or IIS PC Accessories Kit	1045	printer accessories	Cricket Pict-O-Graph	2100	graphics
BMUG Public Domain CD-ROM	2011	data resources	Crystal Quest/Critter Editor	2180	games
Business Laser Printer II/IIS	1042	laser and colour printer	Curtis Manufacturing	1010	accessories
C•A•T III	2030	personal organisers	Custom Ledgers	2080	accounting
C DOC	2140	languages	Custom Software	3000	vertical applications
C Math Solvers	2070	numerical analysis	Dark Castle	2180	games
C SCAN	2140	languages	DarkRoom	2101	artwork
C-Cube CL550	1035	graphics hardware	Data Desk	2070	numerical analysis
C-Server	1090	networking	Data Pad Software Guides	1010	accessories
CA Color Paint	2100	graphics	DAtabase	2010	data management
CA-Cricket Graph	2100	graphics	Datacopy 730	1032	scanners
CA-Cricket Paint	2100	graphics	Datacopy 830	1032	scanners
CA-Cricket Presents	2103	presentation and animation	Dataframe 20	1052	magnetic mass storage
CA-Cricket Stylist	2100	graphics	Dataframe XP drive series	1052	magnetic mass storage
Calcomp PlotMaster Colour Printer	1043	plotters	Dataguard DG1500 UPS	1010	accessories
CalComp WIZ	1033	digitisers	Datalink/Mac Portable	1081	modems
Calculus	3030	education	Dataproducts LZR 1260	1042	laser and colour printer
Cambridge Z88 Laptop Computer	1020	Macintosh	DataTree	2070	numerical analysis
CAMM-1 Desktop Sign Maker	3010	manufacturing systems	DaynaFILE	1051	floppy and removable
CAMM-2 Desktop	3010	manufacturing systems	DaynaNET	1090	networking
Engraving Machine			DaynaTalk	1090	networking
CanOpener	2132	disk and file utilities	db-Vista III	2010	data management
Canvas 2.0	2100	graphics	dBase IV Runtime PLUS	2010	data management
Capture	2133	system utilities	dBase Mac	2010	data management
Casino Master	2180	games	Deck	1070	audio
Cause	2140	languages	Decorative Stone Attributes Library	2103	presentation and animation
ChineseTalk	2133	system utilities			
ClairVoyant	2091	word processing	Deft CASE Tool	2010	data management
Claris CAD	2102	CAD and design	DeltaGraph	2070	numerical analysis
Claris FileMaker II Training Master Pack	2150	tutorials	Deluxe Option Board	1051	floppy and removable
Claris Graphics Translators	2102	CAD and design	Design/OA	2102	CAD and design
Claris MacDraw II Training Master Pack	2150	tutorials	DesignScript	2092	desktop publishing
Claris MacWrite II Training Master Pack	2150	tutorials	DesignStudio	2092	desktop publishing
			DesignStudio Separator	2092	desktop publishing
ClearAccess	2010	data management	DeskPaint/DeskDraw	2100	graphics
ClickPaste	2133	system utilities	Desktop Sounds	1071	music and speech
Clip Tunes	1071	music and speech	Diconix M150 Plus	1041	impact and thermal printer
Clipables	2101	artwork			
ClipShare	1090	networking	Dietician	3030	education
Coach Professional	2091	word processing	Digi-Art	2101	artwork
ColorCard/24	1030	input and display	Digital Darkroom	2100	graphics
ColorSpace FX Board	1034	video/interactive	Dinosaurs	3030	education
ColorSpace Ili	1034	video/interactive	DirectMail	2130	utilities
Colorsqueeze	2100	graphics	DiskDoubler	2132	disk and file utilities
ColorStudio	2100	graphics	DiskExpress II	2132	disk and file utilities
Colorvue	1030	input and display	DiskFit	2132	disk and file utilities
ColourCapture	1034	video/interactive	DiskTop	2133	system utilities
			Document Compare	2091	word processing
			DOS Connect	1090	networking
			DOS Dial In	1090	networking

# Pica programs that deliver the Macintosh Advantage!

Helping people work better. Together.

## RagTime

Word processing, spreadsheets charts and forms for the integrated office.

## Marco Polo

Document and file archiving and retrieval for individuals and AppleShare networks.

## MarkUp

Workgroup review, editing and annotation tools for any Macintosh document

## uShare

Powerful networking with an AppleShare compatible file server for Unix workstations.

## Canvas 2

The complete drawing and painting program with tools for bitmaps, objects and images.

## UltraPaint

The complete, low-cost colour painting program with a unique selection of special effects.

## Mathematica

Mathematical analysis with graphics and a mathematical programming language.

## Extend

Graphic simulation and modelling with general and specialist libraries for manufacturing and electronics.

## Aperture

A complete 2D CAD program with integrated database for object, facility and drawing management.

## Design

Complex systems modeling and analysis from flowcharts to communications networks.

## StatView

Statistical analysis and flexible presentation graphics for all your reports and documents.

## SuperANOVA

General Linear Modelling with a full range of analysis procedures and presentation tools.

Pica has a proud tradition of supplying innovative and important software to Australian Macintosh users. Our current range of integrated office, workgroup and technical visualisation software combine the best available programs with Pica support for everyone who wants the Macintosh Advantage.

Contact your local Reseller or Pica for demonstration disks and further information about any of these programs on (03) 370 3566.



# Alphabetical Product Listing

DOS Mounter		Fontographer	
Double Helix		Fonts Plus/Headliners	
Double Helix MultiUser		FontShare	
DoubleTalk		FontSizeer	
DQ-Animaq		FontStudio	
Drive 2.4 with Fastback		Formulator	
DTP Advisor		FoxBase+/MAC	
Du Pont 4CAST		FrameMaker	
DynaComm		Franz AU/X Common Lisp	
DynaPerspective		Franz Flavours	
DynoDex		Fujitsu RX7100PS	
E-Machines C20		Full Impact	
E-Machines ColorPage T16		FullWrite Professional	
E-Machines T19		Fund Accounting	
E-Machines TX		GatorBox	
Eadweard Muybridge:		GCC FX/20/45/80	
Motion Studies		GCC WritImpact	
Early Games For Young Children	2180	Gemini 20MHz-33MHz	
Easy4D	2010	Accelerator Cards	
Emerald	1044	Geometry	3030
Encyclopedia Macintosh: the Stack	2150	GOfer	2091
Enhance	2100	GPiB-Mac	1061
Eplink Printer Interface	1045	GPiB-SE	1061
Epson DFX-5000	1041	Gram•mat•ik Mac	2091
		Grand Prix Circuit	2180
Epson FX printers	1041	Grappler Mac Printer Interfaces	1045
		Gravis Mousestick	1030
Epson GT-1000 Scanner	1032	Great Plains Software	2080
Epson GT-6000 Scanner	1032	GTCO Digitiser Series	1033
Ether 2 and Ether Plus	1090	Halls of Montezuma	2180
EtherGate	1090	HandOff	2130
EtherPrint	1090	Heizer Software Catalogue	2011
EtherSC	1090	Heizer's Stack Exchange	2011
Evolution	2093	HP 48SX	1010
ExpanSE Expansion	1022	HP 7440A Plotter	1043
ExpanSE Home BaSE	1021	HP DeskJet	1041
Exposure Pro	2130		
Expressionist	2091	HP DeskWriter	1041
Expresswrite	2091		
Extend	2050	HP LaserJet IID	1042
Extra long ADB keyboard cable	1010	HP LaserJet III	1042
Family Matters	2030	HP LaserJet IIP	1042
Farallon Portable Pack	1080	HP PaintJet	1042
Farallon Sound Tool Kit	1070	HP PaintWriter XL	1042
Fast Cache IIci	1022	HP ScanJet Plus	1032
Fast-Track	1030	HP ScanJet Scanner	1032
FASTAT	2070	Hyper D/A	2010
Fastback II for Mac	2132	HyperAnimator	2103
FastForms	2095		
FastPath	1090	HyperTape II	1052
FaxGate Plus	1080	HyperTutor	3030
File Force	2010	I-Server	1090
FileGuard	2132	IceCable	1045
FileMaker Pro	2010	Icon-It	2133
Finale	1071	ImageStudio	2100
Fire-Brigade	2180	ImageWriter II	1041
Flex Frame Toolkits	2140		
FlexFax	1081	ImageWriter II Sheetfeeder	1045
Fluent Laser Fonts	2093	Imprint	2092
Focal Point II	2030	In-CAD	2102
Font DA Juggler Plus	2133	InfoCentre	2010
Fontastic Plus	2093		
1051 floppy and removable			
2010 data management			
2010 data management			
1081 modems			
1034 video/interactive			
1051 floppy and removable			
2150 tutorials			
1044 typesetting and film			
1080 communications			
2102 CAD and design			
2130 utilities			
1031 monitors			
1031 monitors			
1031 monitors			
1031 monitors			
2011 data resources			
2093 fonts			
2010 data management			
1044 typesetting and film			
2150 tutorials			
2100 graphics			
1045 printer accessories			
1041 impact and thermal printer			
1041 impact and thermal printer			
1032 scanners			
1032 scanners			
1090 networking			
1090 networking			
1090 networking			
1090 networking			
2093 fonts			
1022 upgrades			
1021 co-processors			
2130 utilities			
2091 word processing			
2091 word processing			
2050 decision support			
1010 accessories			
2030 personal organisers			
1080 communications			
1070 audio			
1022 upgrades			
1030 input and display			
2070 numerical analysis			
2132 disk and file utilities			
2095 form design			
1090 networking			
1080 communications			
2010 data management			
2132 disk and file utilities			
2010 data management			
1071 music and speech			
2180 games			
2140 languages			
1081 modems			
2093 fonts			
2030 personal organisers			
2133 system utilities			
2093 fonts			
2093 fonts			
2093 fonts			
2093 fonts			
2093 fonts			
2091 word processing			
2010 data management			
2092 desktop publishing			
2140 languages			
2140 languages			
1042 laser and colour printer			
2060 spreadsheets			
2091 word processing			
2080 accounting			
1090 networking			
1052 magnetic mass storage			
1041 impact and thermal printer			
1022 upgrades			
3030 education			
2091 word processing			
1061 analogue to digital			
1061 analogue to digital			
2091 word processing			
2180 games			
1045 printer accessories			
1030 input and display			
2080 accounting			
1033 digitisers			
2180 games			
2130 utilities			
2011 data resources			
2011 data resources			
1010 accessories			
1043 plotters			
1041 impact and thermal printer			
1041 impact and thermal printer			
1042 laser and colour printer			
1042 laser and colour printer			
1042 laser and colour printer			
1042 laser and colour printer			
1042 laser and colour printer			
1032 scanners			
1032 scanners			
2010 data management			
2103 presentation and animation			
1052 magnetic mass storage			
3030 education			
1090 networking			
1045 printer accessories			
2133 system utilities			
2100 graphics			
1041 impact and thermal printer			
1045 printer accessories			
2092 desktop publishing			
2102 CAD and design			
2010 data management			



# Alphabetical Product Listing

InfoGuard International	2130	utilities	MAC-101 Keyboard	1030	input and display
InFormed	2095	form design	Mac86 and Mac286	1021	co-processors
Informix SQL and4GL Family	2010	data management	MacAcademy Video Training Series	3030	education
Informix-SE	2010	data management	MacAPP	2140	languages
INIThound	2133	system utilities	MacArm	1010	accessories
INITPicker	2133	system utilities	MacAsset	2080	accounting
Inside Information	2011	data resources	MacBook	3020	library management
Intelligent Developer	2140	languages	Maccessories A-B Box Platinum	1010	accessories
interFACE	2103	presentation and animation	Maccessories Superbase	1010	accessories
International Power Machines	1010	accessories	MacCHUCK	1080	communications
Invoice Manager	2080	accounting	MacCourses	2180	games
Invoicelt	2080	accounting	MacData Payroll Manager	2080	accounting
IPSS	2070	numerical analysis	MacDraw II 1.1	2102	CAD and design
JAM EZee DAs	2130	utilities	MacFlow	2094	idea processing
Jam Session	2180	games	MacFontware Font Converter	2093	fonts
JDL OmniPlotter	1043	plotters	MacGolf	2180	games
JetReader	1032	scanners	MacGolf Classic	2180	games
Jewel Accounting	2080	accounting	MacGraphics	2101	artwork
JMP	2070	numerical analysis	Mach-1 Arm	1010	accessories
Just Enough Pascal	2150	tutorials	MacIDRIS	2140	languages
KeyPlan	2020	resource management	MacImage	1032	scanners
La Cie - Cirrus Hard Drives	1052	magnetic mass storage	MacinText	2091	word processing
La Cie - Tsunami Hard Drives	1052	magnetic mass storage	Macintosh Classic	1020	Macintosh
LabelWriter	1041	impact and thermal printer	Macintosh Display Cards	1030	input and display
LabVIEW	1064	instrumentation	Macintosh DrawingCard Series	1031	monitors
Language Systems FORTRAN	2140	languages	Macintosh II Stand	1010	accessories
LanWay Token Ring 16/4 Family	1090	networking	Macintosh IIci	1020	Macintosh
LapLink Mac III Connectivity Pac	1090	networking	Macintosh IIcx	1020	Macintosh
Lasergraphics LFR	1044	typesetting and film	Macintosh IIfx	1020	Macintosh
Plus Film Recorder			Macintosh IIsi	1020	Macintosh
Lasermax Systems	1040	output and print	Macintosh LC	1020	Macintosh
Laserserve	2090	printed communication	Macintosh Memory Modules	1022	upgrades
LaserWriter II NT	1042	laser and colour printer	Macintosh PC Drive Card	1051	floppy and removable
LaserWriter II NTX	1042	laser and colour printer	Macintosh Portable	1020	Macintosh
LendIt	1062	barcode system	Macintosh SE/30	1020	Macintosh
Leprechaun	2180	games	MacKern	2130	utilities
LetraFont	2093	fonts	MacLink Plus Translators	1080	communications
Letraset Studio Line CD	2092	desktop publishing	MacList	2010	data management
LetraStudio	2092	desktop publishing	MacMaps Atlas	2101	artwork
LetterPress Complete CD disc	2093	fonts	MacMoney	2080	accounting
Liaison	1080	communications	MacOCR	2091	word processing
Libra	3020	library management	MacPage PE	1010	accessories
LightningScan	1032	scanners	MacPaint II	2100	graphics
Lindo	2070	numerical analysis	MacPrint	2090	printed communication
Linotronic 200P Imagesetter	1044	typesetting and film	MacProject II	2020	resource management
Linotype RIP 4	1044	typesetting and film	MacProlog	2140	languages
LiquorStore	3000	vertical applications	MacProof	2091	word processing
Lizards of Australia	3030	education	MacProto	1021	co-processors
LocalTalk Connection Box	1010	accessories	MacRacquetball	2180	games
Lode Runner	2180	games	MacRecorder Voice Digitiser	1071	music and speech
LT200 MCA or PC	1022	upgrades	MacRoad	3000	vertical applications
Lunar Rescue	2180	games	MacroMind Accelerator	2103	presentation and animation
M.E.D. Dictionary	2091	word processing	MacroMind CD-ROM	2103	presentation and animation
Mac II monitor cable extension kit	1010	accessories	MacroMind Director	2103	presentation and animation
Mac 'n Touch	1030	input and display	MacSafe II	2132	disk and file utilities
Mac Plus Peripheral Adapter Cable	1010	accessories	MacScan Colour	1032	scanners
Mac Plus, SE, II to AP Modem	1010	accessories	MacScan/Professional	1032	scanners
Mac Security Kit	1010	accessories	MacSchedule	2020	resource management
Mac to ImageWriter cables	1010	accessories	MacScheme	2140	languages
Mac to modem cable	1010	accessories			

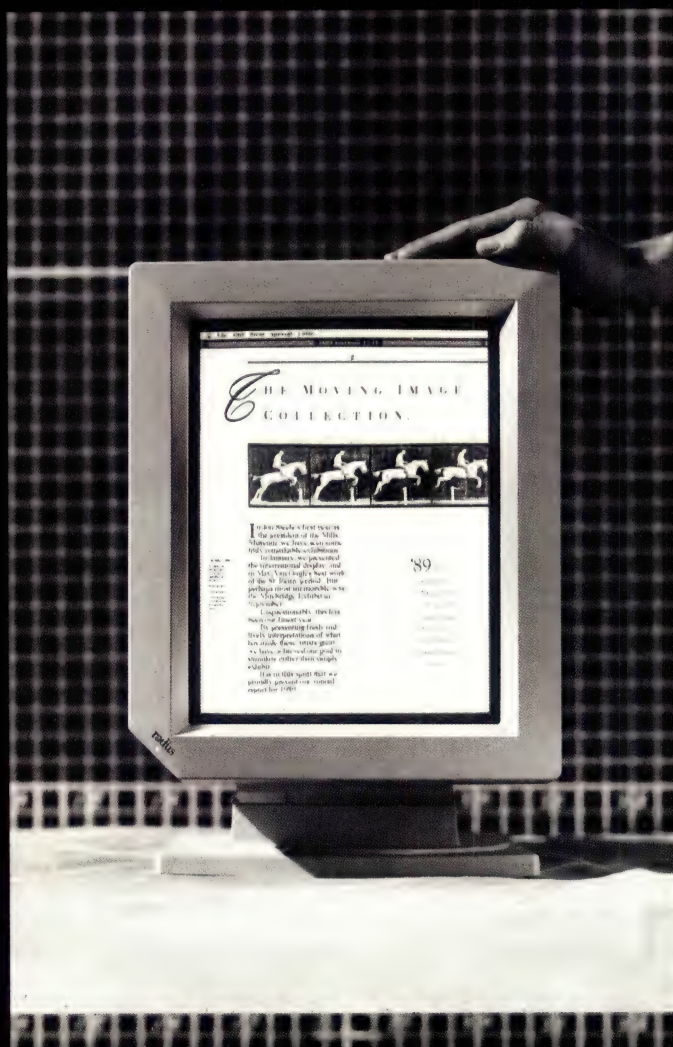
# Alphabetical Product Listing

MacSchool	3030	education	MIDI Interface	1071	music and speech
MacServe	1090	networking	Milo - The Maths Processor	2070	numerical analysis
MACsetra Genesis 6000	1053	optical storage	Mirus Image-MAC	1044	typesetting and film
MacSki	2180	games	Mission Starlight	2180	games
MacSmarts expert	2140	languages	MM1600FX 16 Mb memory kit	1022	upgrades
systems/neural networks			MM1600L 16 Mb memory kit	1022	upgrades
MacSpecialist	2080	accounting	MM4096FX	1022	upgrades
MacTut ProGlyph	2101	artwork	MockPackage Plus	2130	utilities
MacTutor Vol 1-5	2140	languages	ModelShop	2102	CAD and design
Source Code on CD-ROM			Moebius	2180	games
MacType	2150	tutorials	Monotype Expert Fonts	2093	fonts
MacWrite II	2091	word processing	Montage FR1 Film Recorder	1044	typesetting and film
Maestro 2400ZXR Modem	1081	modems	MoonRaker	1034	video/interactive
MagicDrive Optical Disk Drive	1053	optical storage	MORE III	2094	idea processing
Mahogany	2140	languages	MoreMemory 2048/L	1022	upgrades
MailMaker	2091	word processing	MoreMemory 4096/L	1022	upgrades
Manager Series	2080	accounting	MPW	2140	languages
Marco Polo	2020	resource management	MPW Assembler	2140	languages
Markup	2092	desktop publishing	MPW Bundles	2140	languages
MARS	2010	data management	MPW C	2140	languages
Masquerade	2060	spreadsheets	MPW Pascal	2140	languages
MASS	2070	numerical analysis	Multi Disk	2133	system utilities
MassMicro DataPak	1051	floppy and removable	Multi-Ad Creator	2092	desktop publishing
MassMicro DataPak II/IIcx	1051	floppy and removable	Multi-Ad Search	2101	artwork
MassMicro Hard Disks	1052	magnetic mass storage	Multi-User Appointment Diary	2030	personal organisers
MassMicro OptiPak	1053	optical storage	MultiClip	2133	system utilities
MAST Removable	1051	floppy and removable	MusicProse	1071	music and speech
Master Tracks Pro	1071	music and speech	My Disk Labeller	2130	utilities
MasterColour	2100	graphics	NanoDisk	2133	system utilities
MasterJuggler	2133	system utilities	National Instruments	1070	audio
MasterPaint	2100	graphics	NB-DSP2300		
MasterPiece Mac II	1010	accessories	NEC Silentwriter2	1042	laser and colour printer
MatchMaker	1051	floppy and removable	Model 90 Laser Printer		
MathCAD	2102	CAD and design	Nemonix Accelerator Card	1022	upgrades
Mathematica	2070	numerical analysis	Nemonix Video Cards	1030	input and display
MathType	2091	word processing	Nemonix Video/Accelerator Card	1022	upgrades
Mavis Beacon Teaches Typing!	2150	tutorials	NetBridge	1090	networking
Maxway 500 Family	1090	networking	NetComm Program for Macintosh	1080	communications
MediaTracks	2150	tutorials	NetModem V2400	1090	networking
MEDLINE Knowledge Finder	3000	vertical applications	NetSerial X232	1090	networking
Membership Manager	2010	data management	NetWare for Macintosh	1090	networking
Mercury 16-MHz Accelerator Card	1022	upgrades	Netway 1000AE Enhanced	1090	networking
Meridian Ada	2140	languages	Netway 2000	1080	communications
MetaDesign 2.0	2094	idea processing	Network Managers Kit	1090	networking
Metamorphosis	2100	graphics	Next to Mac 40Mb Hyper HD	1052	magnetic mass storage
Metcomm Modula-2	2140	languages	Next to Mac 650Mb Drive	1053	optical storage
Micron SIMM Low Profile Memory	1022	upgrades	NFL Challenge	2180	games
MicroPhone II	1080	communications	Nikon LS-3500 Film Slide Scanner	1032	scanners
MicroPlanner Version 6	2020	resource management	Nisus	2091	word processing
MicroPlanner X-PERT	2020	resource management	Norton Utilities for the Macintosh	2132	disk and file utilities
Micropolis Drive Series	1052	magnetic mass storage	Novell PCOX/3270 SR-M	1090	networking
Microsoft Excel	2060	spreadsheets	Novell PCOX/Multi-M	1090	networking
Microsoft File	2010	data management	NS 8/16 Base Board	1022	upgrades
Microsoft Flight Simulator	2180	games	Nutools: Numerical Methods	2140	languages
Microsoft Mail	1091	e-mail	NuVista 4 Mb Video	1034	video/interactive
Microsoft Office	2040	integrated packages	Input/Output Card		
Microsoft PowerPoint	2103	presentation and animation	NuVista Graphics Cards	1030	input and display
Microsoft QuickBasic for Mac	2140	languages	NuVista Memory Expansion	1034	video/interactive
Microsoft Word	2091	word processing	NuVoLink II Ethernet Card	1090	networking
Microsoft Works	2040	integrated packages	NuVoLink SC	1090	networking
Microtek MSF-300G Scanner	1032	scanners	Object Logo	2140	languages
			Oce Graphics G5232	1042	laser and colour printer

# Alphabetical Product Listing

Odesta Document Management System (ODMS)	2010	data management	QM Connectivity Series	1091	e-mail
Office System One	2080	accounting	QMS ColorScript 100	1042	laser and colour printer
Ogre	2180	games	Models 10 and 30		
Okyto	1080	communications	QMS PS410	1042	laser and colour printer
Omnis 5	2010	data management	QMS PS810, PS1500, PS2200	1042	laser and colour printer
On Cue	2133	system utilities	Quantum Prodrive Series	1052	magnetic mass storage
Once Upon a Time	3030	education	Quark XPress	2092	desktop publishing
OPAL Developer	1080	communications	QUED/M	2091	word processing
OPAL Emulations	1080	communications	Quick Envelope	2090	printed communication
OpalXfer	1080	communications	Quick Image 24	1034	video/interactive
Outbound	1020	Macintosh	QuickCACHE	1022	upgrades
Parity Watchdog	1021	co-processors	QuickCapture	1034	video/interactive
Parrot 1	2130	utilities	QuickDEX	2030	personal organisers
Pattern Mover	2100	graphics	QuickKeys	2133	system utilities
PayMaker	2080	accounting	QuickMail	1091	e-mail
PC Tools Deluxe	2132	disk and file utilities	QuickSANE	1022	upgrades
PC Viewer	1030	input and display	QuickSpool 11	2090	printed communication
pcANYWHERE III	1090	networking	R-Server	1090	networking
PCOX/COAX Memory Board	1022	upgrades	Racet MACsimum Storage Series	1052	magnetic mass storage
Pentax SB-L301 IQ Scan	1032	scanners	Radius DirectColor	1030	input and display
Desktop Scanner			Display System		
Perceive	1070	audio	Radius Performance Accelerator 16 & 25	1021	co-processors
Personal Laser Printer II/IIS	1042	laser and colour printer	Radius Pivot Monitor	1031	monitors
Personal LaserWriter NT	1042	laser and colour printer	Radius Quick CAD	1035	graphics hardware
Personal LaserWriter SC	1042	laser and colour printer	Graphics Enhancements		
Personal Press	2092	desktop publishing	Radius QuickColor	1035	graphics hardware
Personality	2133	system utilities	Graphics Accelerator		
PhoneNet Connector	1090	networking	Radius Two Page Display	1031	monitors
PhoneNet Repeater	1090	networking	RagTime 3	2040	integrated packages
PhoneNet StarController	1090	networking	RAM PowerCard	1022	upgrades
Physics	3030	education	Rapport	1051	floppy and removable
PictureBasell	2100	graphics	RasterOps 224 Video Board	1030	input and display
Pirates Mac	2180	games	RasterOps Colorboard 208	1030	input and display
PixelPaint Professional	2100	graphics	RasterOps Colorboard 324	1030	input and display
PLF Powerline Filters	1010	accessories	RasterOps Colorboard 364	1030	input and display
PLI CD-ROM	1053	optical storage	RATS	2070	numerical analysis
PLI DAT Drive	1052	magnetic mass storage	Reach for the Stars	2180	games
PLI Infinity 40 Turbo/Dual	1051	floppy and removable	Read - A - Rama	3030	education
PLI Infinity Optical Disk Drive	1053	optical storage	Read-It!	2091	word processing
PLI RAM Drive	1050	storage devices	Read-It Personal	2091	word processing
PLUS	2010	data management	ReadForm	2095	form design
Pocket Rocket Modem 1234	1081	modems	ReadSpell	2091	word processing
Portable Publisher	1030	input and display	Ready, Set, Go!	2092	desktop publishing
Power Station	2133	system utilities	Redux	2132	disk and file utilities
PowerCard 030 Series	1022	upgrades	Relax Technology Optical Plus	1053	optical storage
POWERicons	2133	system utilities	ResEdit	2132	disk and file utilities
POWERmenus	2133	system utilities	Retrospect	2132	disk and file utilities
Powersafe Powerline Conditioners	1010	accessories	Rival	2131	antiviral utilities
Preference Hard Disk Drives	1052	magnetic mass storage	Road Racer	2180	games
PRO Challenge	2180	games	Rodime External Hard Disk series	1052	magnetic mass storage
Pro-Cite for the Macintosh	3020	library management	RSVP encoder/decoder	1034	video/interactive
Procyon Common Lisp	2140	languages	RSVP video card & frame grabber	1034	video/interactive
Professional Accounting	2080	accounting	Scanman	1032	scanners
Programmer's Assistant	2140	languages	ScanReader	2091	word processing
Programmer's Extender	2140	languages	ScreenGems	2130	utilities
Vols. 1 and 2			ScreenRecorder	2150	tutorials
ProLink	1080	communications	ScreenShot	2130	utilities
Public Folder	2130	utilities	Script Interface Systems	2140	languages
Publish It!	2092	desktop publishing	ScriptEdit	2140	languages
Publish It Easy	2092	desktop publishing	Scriti-Indian language	2093	fonts
Pyro!	2133	system utilities	PostScript typefaces		





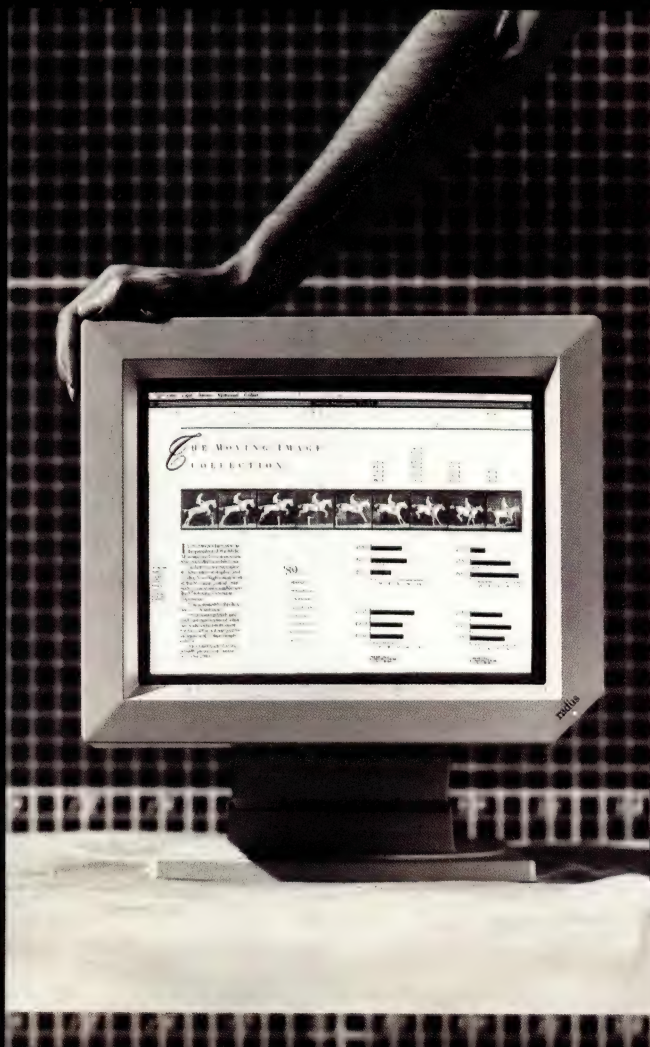
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upgrades to 16 levels for near-photographic quality images. Ideal for graphic design and desktop publishing. ● Pivot is compatible with virtually every Macintosh application and may be used with either the Macintosh SE/30 or the Macintosh II

family. ● To find your nearby Radius reseller, phone Allaw on (02) 415 9111. Then, before you buy a display for your Macintosh, check out another amazing way to look at things from Radius.





# Alphabetical Product Listing

SCSI Connectors	1010	accessories	StarTime	2103	presentation and animation
SCSI Interface Cables	1010	accessories	StationManager	2080	accounting
SCSI PowerCard	1022	upgrades	Status*Mac	1090	networking
SCSI System Cables	1010	accessories	StatView II	2070	numerical analysis
Seahaven Towers	2180	games	StatView SE+Graphics	2070	numerical analysis
Second Sight	1080	communications	StatZ	2070	numerical analysis
Seiko D-Scan QD-5504	1041	impact and thermal printer	Stepping Out II	2130	utilities
Series 4000 Imagesetter	1044	typesetting and film	Stepping Stones, Levels 1 and 2	3030	education
Serius Animation Module	2140	languages	Steps Accounting	2080	accounting
Serius Communication Module	2140	languages	StickyBusiness Plus	2090	printed communication
Serius Developer	2140	languages	StrataFlight	2103	presentation and animation
Serius Programmer	2140	languages	StrataVision	2103	presentation and animation
Shanghai	2180	games	Stravinsky's Rite of Spring	3030	education
Shapes	2103	presentation and animation	Studio/1	2100	graphics
Sharp JX-300 Colour Scanner	1032	scanners	Studio/32	2100	graphics
Sharp JX-450 Colour Scanner	1032	scanners	Studio/8	2100	graphics
SharpenUp	2130	utilities	StuffIt Deluxe	2132	disk and file utilities
ShopFront	2080	accounting	Style	2092	desktop publishing
Shortcut	2133	system utilities	Suitcase II	2133	system utilities
Showplace	2103	presentation and animation	SUM II	2132	disk and file utilities
Shufflepuck Cafe	2180	games	Super 3D	2102	CAD and design
Siclone Mac II Accelerators	1021	co-processors	SuperANOVA	2070	numerical analysis
Silverlining	2132	disk and file utilities	SuperCard	2010	data management
Silverplatter	1090	networking	SuperGlue II	2130	utilities
Silverscanner	1032	scanners	SuperLaserSpool	2090	printed communication
SimCity	2180	games	SuperMac Monochrome Card	1030	input and display
SIMMs	1022	upgrades	SuperMouse	1030	input and display
Simon	2130	utilities	SuperPaint	2100	graphics
Sky Shadow	2180	games	SuperSpool	2090	printed communication
Smart Alarms and Appointment Diary	2030	personal organisers	SuperTrack	2020	resource management
SmartCard/ADB	1062	barcode system	SurveyZ	2070	numerical analysis
SmartForm Designer	2095	form design	Switchboard	1030	input and display
SmartForms Assistant	2095	form design	Swivel 3D	2102	CAD and design
SmartScrap and the Clipper	2133	system utilities	Swivel 3D Professional	2102	CAD and design
SnapJot	2130	utilities	Sybiz MacLedgers	2080	accounting
SoftPC	1080	communications	Sybiz Service Industry Accounting	2080	accounting
Solarian II	2180	games	Symantec Anti-virus for Macintosh (SAM)	2131	antiviral utilities
Solitaire DA	2180	games	Syquest 44Mb Removable Drive	1051	floppy and removable
Solitaire Royale II	2180	games	System Saver	1010	accessories
Sonar Professional	2091	word processing	Tactician	2050	decision support
Sonar Text Retrieval System	2091	word processing	Talking Tiles	3030	education
Sony Magneto-Optical Erasable Drive	1053	optical storage	TaskMaker	2180	games
Sound Accelerator	1070	audio	Taste	2091	word processing
Space Rogue	2180	games	Tech Fonts	2093	fonts
Spectrum/24 PDQ	1030	input and display	Tektronix 46930X	1042	laser and colour printer
Spectrum/24 Series III	1030	input and display	Tektronix ColorQuick	1042	laser and colour printer
Spectrum/8 PDQ	1030	input and display	Tektronix Phaser CPS Colour Printer	1042	laser and colour printer
Speed Pad I & II	1010	accessories	TeleBridge	1090	networking
Speed Reader II	3030	education	TextPert	2091	word processing
SpeedScanner	1032	scanners	TextScan	2091	word processing
SpeedSetters	1044	typesetting and film	TeXtures TeX product family	2092	desktop publishing
Speedworks	2080	accounting	The Ancient Art of War	2180	games
SPSS for the Mac	2070	numerical analysis	The Ancient Art of War at Sea	2180	games
SQLTime	2010	data management	The Apple Collection	1010	accessories
Star Wars	2180	games	The Ark	2101	artwork
StarConnector EN	1090	networking	The Art Importer	2100	graphics
StarController EN	1090	networking	The Big Picture 17 and 17IQ	1031	monitors



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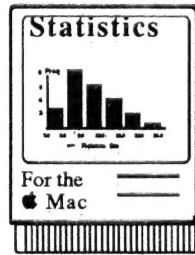
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# Alphabetical Product Listing

The Big Picture Z21 and Z21 IQ	1031	monitors	VideoPaint	2100	graphics
The Curator	2100	graphics	VideoQuill	2100	graphics
The Electronic Whole	2011	data resources	VideoShow	1034	video/interactive
Earth Catalogue			VideoStack	1034	video/interactive
The Gibbs System	2102	CAD and design	Videx PhraseMaker	1062	barcode system
The Hunt for Red October	2180	games	Videx TimeWand II	1062	barcode system
The Magic Flute	3030	education	Virex	2131	antiviral utilities
The Random House Encyclopedia	2091	word processing	VocabuLearn/CE Japanese	3030	education
Theorist	2070	numerical analysis	Voyager 33-MHz Accelerator Card	1022	upgrades
Think C	2140	languages	Wacom graphics tablets	1030	input and display
Think Pascal	2140	languages	Warehouse Manager 5	2080	accounting
ThunderScan II	1032	scanners	Webster Multigate	1090	networking
Timbuktu	1090	networking	WetPaint Clip Art	2101	artwork
Timbuktu Remote	1090	networking	Where in <i>Europe</i> is Carmen Sandiego?	2180	games
Time Table of Science and Technology	2011	data resources	Where in the <i>USA</i> is Carmen Sandiego?	2180	games
Tiny Tiger	1052	magnetic mass storage	Where in the <i>World</i> is Carmen Sandiego?	2180	games
TML Pascal II	2140	languages	Where in <i>time</i> is Carmen SanDiego?	2180	games
TML Source Code Library	2140	languages	White Knight II	1080	communications
TMON Debugger	2140	languages	Wild Things	2140	languages
Toner Express	1045	printer accessories	Wingz	2060	spreadsheets
Tool Kit	1010	accessories	Wingz-DataLink	2010	data management
TopDown	2010	data management	WinText	2091	word processing
TOPS 3.0 for Mac	1090	networking	WordFinder	2091	word processing
TOPS FlashBox	1090	networking	WordMaker	2091	word processing
TOPS InBox/Plus	1091	e-mail	WordPerfect	2091	word processing
TOPS Network Bundle for Macintosh	1090	networking	WordPerfect Office for Macintosh	2040	integrated packages
Toshiba CD-ROM	1053	optical storage	WordPlay	3030	education
TPS Bar Code Readers	1062	barcode system	World Class Fonts Series	2093	fonts
TrackIt	1062	barcode system	World Class Laser Type	2093	fonts
TrafficWatch	1090	networking	WriteMove	1041	impact and thermal printer
TrailBlazer MkII	1081	modems	Writers Suggestions and Reminders	2150	tutorials
TransLink	1021	co-processors	Xactor V15S Monitor	1031	monitors
Truevision VIDI/O Encoder/Decoder	1034	video/interactive	XCEED SE/30	1030	input and display
Turbo Mouse	1030	input and display	Xerox Datacopy GS	1032	scanners
Turbo PS Series	1042	laser and colour printer	XL7700 Digital Continuous Tone Printer	1042	laser and colour printer
TurboCASE	2140	languages	Zytech 19in Display	1031	monitors
TurboNet ST	1090	networking	Zytech 800K External Floppy Drive	1051	floppy and removable
TurboStar 16 Port Hub	1090	networking	Zytech Hard Drive series	1052	magnetic mass storage
Two Page 21in Colour Display Type!	1031	monitors	Zytech Imprimis Wren Hard Drives	1052	magnetic mass storage
TypeStyler	2150	tutorials	Zytech Mac-ImageWriter II Cable	1045	printer accessories
TypeStyler	2093	fonts	Zytech PhoneNet Compatible Cable	1010	accessories
Typist Personal Scanner	1032	scanners	Zytech Platform Removable Hard Drive	1052	magnetic mass storage
Ultima III	2180	games	Zytech Portrait Display	1031	monitors
UltraDrive	1052	magnetic mass storage	Zytech Quantum Hard Drives	1052	magnetic mass storage
UltraPaint	2100	graphics	Zytech SCSI Cable	1010	accessories
UMS: The Universal Military Simulator	2180	games			
UnMouse	1030	input and display			
Urdu Publisher	2093	fonts			
US Power Supply	1010	accessories			
Utopia	2180	games			
V. I. P. (Visual Interactive Programming)	2140	languages			
Vantage	2091	word processing			
Varietyper Series 4000 Image Controller	1044	typesetting and film			
Varietyper VT600W	1042	laser and colour printer			
VersaCAD	2102	CAD and design			
VideoLogic DVA-4000	1034	video/interactive			



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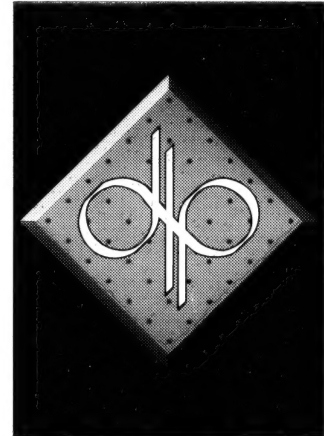
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40	Conner	\$1049
50	Quantum	\$1229
100	Quantum	\$1749

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80	Quantum	\$1599
100	Quantum	\$1649

### Platform Storage Drives 2 x 9.625 x 9.625 inches

40	Quantum	\$1249
80	Quantum	\$1649
100	Quantum	\$1749

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# Distributor telephone numbers

The following are, to the best of our knowledge, the current contact numbers for companies and individuals importing and selling products listed in this Guide. Some have offices in more than one location; we have listed the head office numbers only.

AAPDA .....	02	550 5533	Memory and Storage Technology Pty Ltd .....	02	281 7411
ACA Pacific Pty Ltd .....	03	388 0477	Micro Expansion Technologies .....	02	534 6355
Advanced Components and Peripherals .....	03	720 4344	Micro Planning Australia Pty Ltd .....	07	341 0600
Advanced Peripherals .....	02	498 2411	Micro-Educational Pty Ltd .....	049	26 4122
Allaw Technologies .....	02	415 9111	MicroAustralia Computer Products Pty Ltd .....	02	418 6242
AM International .....	03	765 3300	Minicomp .....	02	957 6800
Anchor Pad [Aust.] Pty Ltd .....	02	819 7322	Mitsubishi Electric .....	02	684 7777
Apple Computer Australia Pty Ltd .....	02	452 8000	Mitsui Computers Ltd .....	02	452 0452
Australian Database Accounting .....	02	955 5709	MPC Systems .....	02	238 2389
Autodesk Australia Pty Ltd .....	03	429 9888	NEC Information Systems Aust Pty Ltd .....	02	438 3544
Bar Code Data Systems .....	02	534 5888	NetComm [Australia] Pty Ltd .....	02	888 5533
Budde International Technologies Pty Ltd .....	02	899 6199	Next To Mac .....	02	699 7073
Capricorn Computers .....	03	690 1655	Novell Australia .....	02	413 3077
Chandler Software .....	02	954 9119	Odesta (Australia) .....	06	257 6873
Claris Australia Pty Ltd .....	02	744 3033	OPAL Software Australia .....	02	281 8239
Computer Drive .....	03	690 1689	Oxford Systematics .....	03	459 9671
Computer Network Systems Pty Ltd .....	02	419 7177	Ozisoft .....	02	313 6444
Computrix .....	02	905 1380	Pacific Database Pty Ltd .....	03	690 4033
Creative Engineering .....	07	356 6271	PC Extras Pty Ltd .....	02	319 2155
Critec Pty Ltd .....	02	688 4528	Performance Sales .....	02	906 4900
Current Solutions .....	03	720 3977	PICA Pty Ltd .....	03	370 3566
Dataflow Computer Services Pty Ltd .....	02	331 6153	Pongrass Publishing .....	02	27 9254
Dataproducts Pty Ltd .....	02	451 3533	Praxa Ltd .....	03	690 3811
Delairco .....	02	415 0300	Prime Computer of Australia Ltd .....	02	968 9200
Dimension Graphics .....	02	929 5855	QMS Australia Pty Ltd .....	03	899 5777
Diprose House Consulting .....	02	955 5709	Quidnunc Australia Pty Ltd .....	08	373 3900
Domino Computers Pty Ltd .....	02	436 2733	Rand Walker Pty Ltd .....	02	419 2088
EdSoft .....	008	338 873	Reliable Australian Distributors Pty Ltd .....	02	261 4377
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Elmeasco Instruments Pty Ltd .....	02	736 2888	Roland Australia .....	02	982 8266
Empire Ridge .....	03	696 4388	SAS Institute Australia .....	02	428 0428
Entertainment & Computer Products .....	075	96 3488	Seligson & Clare .....	03	384 4811
Epson Australia .....	02	452 5222	Sequel Pty Ltd .....	02	411 7855
Firmware Design .....	047	39 4288	Sharp Corp of Australia Pty Ltd .....	02	831 9111
GEO Technologies Pty Ltd .....	02	614 6455	Softies Pty Ltd .....	02	437 5188
Halldale Technologies .....	02	725 3700	Solutions .....	075	395 422
Hearne Marketing Software .....	03	497 4755	Sourceware Pty Ltd .....	02	427 7999
Heizer Software .....	800	888 7667	Spinning Heads .....	03	696 5058
Hewlett-Packard .....	03	895 2949	Strategic Studies Group .....	02	819 7199
Hexon Communications Pty Ltd .....	02	550 3899	Sybiz Software Pty Ltd .....	02	816 3111
Image Systems .....	02	818 3555	Symbiotic Computer Systems .....	03	836 4482
InfoMagic Pty Ltd .....	02	975 1044	TCG Systems Automation Pty Ltd .....	02	699 8300
International Dezyne Werkz .....	09	398 5690	Techflow Pty Ltd .....	063	55 1988
Interspace Marketing .....	008	88 2998	Tektronix Australia Pty Limited .....	02	888 7066
Intuitive Systems .....	02	686 2691	The Font Centre .....	02	436 1364
J.I.T. (Australia) Pty Ltd .....	03	720 1333	Timemaker .....	03	429 3688
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Jorgen Computer Services Pty Ltd .....	03	592 7500	Tri-Data Communications .....	02	975 2799
Josef K. Nagler, TimeWand Specialist .....	(02)	868 3603	Trio Technology .....	03	521 0099
Keyway Computers .....	02	316 6599	Try & Byte .....	(02)	906-5227
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# You can't always choose the data you have to manage.



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Sometimes it seems our world is built on data. Customer names. Stock codes. Discount levels. Sales dates.

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words and graphics with your word processor, spreadsheet or drawing tool, for example, all with the click of a mouse.

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# Use the Power of PostScript.



POSTSCRIPT

## Adobe PostScript

Adobe released PostScript in 1984. Since then, it has become the industry standard for electronic publishing and graphics. PostScript dramatically improves the appearance and effectiveness of all your visual communications. Its device and resolution independence allows you to transfer documents from one computer to another, and from one printer or imagesetter to another. So it's natural to expect that Adobe, the people who created PostScript, also have the best products to use the power of PostScript.

Aa Bb Cc Dd Ee  
Ff Gg Hh Ii Jj Kk  
Ll Mm Nn Oo Pp  
Qq Rr Ss Tt Uu  
Vv Ww Xx Yy Zz

## Adobe Type Library

If you own a laser printer using Adobe's PostScript, you're already experiencing quality typefaces from Adobe. You see, the fonts built into your printer were created by Adobe. The library of Adobe PostScript typefaces has grown from 13 fonts in 1984 to more than 600 fonts today. The Adobe Type Library brings the traditional craft of fine type to your laser printer.

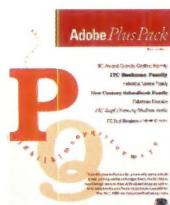
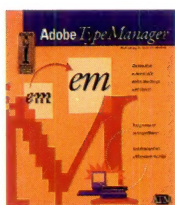
## Adobe Font Folio

The Adobe Font Folio provides you with fast, easy access to the Adobe Type Library. The fonts are loaded on an 80 Mb hard disk that attaches to the SCSI port on laser printers such as the Apple LaserWriter II NTX. You'll never have to download fonts to your printer again, and it's the most economical way of getting the best range of type in the business.



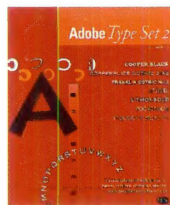
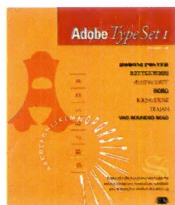
## Adobe Type Manager

Smooth out the jaggies on your Macintosh screen and non-PostScript printers such as the Apple ImageWriter and the HP DeskWriter with Adobe Type Manager (ATM). You'll see crisp, smooth-edged type wherever you look. Adobe Type Manager installs easily and is transparent in use. It comes bundled with Times, Helvetica, Courier and Symbol. Of course, Adobe Type Manager is fully compatible with the entire Adobe Type Library. So kiss those jaggies goodbye, today!



## Adobe Plus Pack

What more could users of Adobe Type Manager ask for? The Adobe Plus Pack provides the standard font set for ATM users who want to build a hard-working, well-rounded type library. Seven type families (22 fonts in all) complete the set of fonts resident in the Apple LaserWriter Plus and most other PostScript printers. Together with ATM software, it's a powerful combination for you and your printer.



## Adobe Type Sets

Add the Adobe Type Sets to your font collection and you can't go wrong. Each set gives you seven carefully selected display fonts from the Adobe Type Library. Use with Adobe Type Manager to give your publications a facelift, and save hundreds of dollars compared to purchasing these typefaces separately.

Font	
Agaramond	Regular
Chicago	Italic
Geneva	Semibold
Helvetica	Semibold Italic
Monaco	Bold
	Bold Italic

## Adobe Type Reunion

Having trouble finding a familiar face in a crowd? If you're spending too much time scrolling through your endless font menu trying to find that elusive italic or bold font, you can now use Adobe Type Reunion to automatically sort your font menu by typeface family name. Quickly find the font you need, then use the convenient sub-menu to select the style you want.



## Adobe TypeAlign

Complicated-looking type effects are now child's play with Adobe TypeAlign. It's simply a matter of choosing a tool to draw an arc, straight line or freehand curve. Then type text on the line, manipulate it to your heart's content and see the power of PostScript working. Since Adobe TypeAlign is a desk accessory, you can use it while you're in any Macintosh application. And it works with ATM and all the Adobe Type Library fonts.



## Adobe Smart Art

You don't have to be an artist to use Smart Art. That's why it's "smart". Use this library of text effects, graphics, borders, and more, to access the power of PostScript. Smart Art is easily installed as a desk accessory, so it's available from within any Macintosh application. There are four volumes, each containing 15 effects which you can customise as you require.

Adobe products are distributed exclusively by InfoMagic in Australia and New Zealand, and free technical support is provided to registered users.

**Yes! I want to use the power of PostScript.**

Please send more information on Adobe products.

- |   |   |
|---|---|
| <input type="checkbox"/> Adobe Type Library | <input type="checkbox"/> Adobe Type Sets    |
| <input type="checkbox"/> Adobe Font Folio   | <input type="checkbox"/> Adobe TypeAlign    |
| <input type="checkbox"/> Adobe Type Manager | <input type="checkbox"/> Adobe Type Reunion |
| <input type="checkbox"/> Adobe Plus Pack    | <input type="checkbox"/> Adobe Smart Art    |

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